

HL STANDARD IFTMBF D00B FOR BOOKING REQUEST

EDI Message Implementation Guide

Version: 2.1

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Functional Definition

Revision History

Date	Version	Description
2010-04-29	1.0	Document created
2011-04-15	1.1	Several enhancements, e.g. - Customs Reference AES-ITN added (RFF+ABT) - Documentary requirements moved to FTX (FTX+ACA)
2012-04-16	1.2	SG10-NAD Segment: Added possibility to send HL internal Org-Numbers
2013-04-02	1.3	-Change the description of the following segments: -SG3+RFF+1153=CT, SG10+NAD+3035=RP, SG16+FTX+4451=AED, SG16+PIA+7143=CG -SG10+NAD Added possibility to send a Freight charges payer -For carriers haulage now 2 dates can be communicated under address SF (shipped from) SG33+DTM+2005 Indicate whether a booking of a forwarder was placed by the NVOCC organisation: SG13+RFF+1153=AMV SG13+RFF+1154=NVOCC - Indicate whether a booking of a forwarder was placed by the forwarder organisation: SG13+RFF+1153=AMV SG13+RFF+1154=FORWARDER
2013-10-30	1.4	SG1+LOC Segment: Added possibility to send Carrier-Booking-Office UNECE location code
2014-02-07	1.5	GRP3 RFF: Added RFF+FF and RFF-SI GRP10 NAD+FP: CN, N1, N2 deleted GRP14 CPI: Added 2. Additional Charges ...
2014-04-07	1.6	Description of GRP3:RFF+AAZ added Description of GRP3:RFF+ADZ updated Description of GRP3:RFF+AMN updated Permitted values for GRP3:RFF:X1156 added (YES/NO)
2014-04-17	1.6.1	Description of GRP3:RFF+ADZ updated
2014-05-22	1.6.2	Description of GRP32:DIM updated
2014-12-08	1.6.3	Usage of GRP32:EQN added
2015-07-17	1.6.3.1	Formal revision - words and layout
2015-09-30	1.6.3.2	Qualifier "HAN" for SG27:FTX added
2015-11-06	1.6.3.3	Usage description of Header-COM added
2016-08-31	1.6.3.4	description group3:RFF (1156) updated (PAP removed, OPT added)
2017-03-20	1.6.3.5	Description G33:NAD (3035) updated Description G7:TDT updated Description G8:LOC updated
2017-03-21	1.6.3.6	Description G32:MEA qualifier P1 and MQH added
2018-09-27	1.6.3.7	BGM Message function code 1=Cancellation added UNB Usage of Syntax version number updated
2018-10-17	1.6.3.8	Qualifier "PKG" for SG27:FTX added
2018-11-21	1.6.3.9	Enhanced multiple notes Qualifier "TN" added to SG3:RFF:C506
2022-10-11	1.7	Changed handling of TDT and LOC qualifiers G7: TDT+12 & 13 deprecated but supported G8: LOC+80 & 76 & 12 & 170 & 8 deprecated but supported
2023-08-03	1.8	Added ER,MX,and US qualifiers to G28:CTA
2024-08-20	1.9	Added new qualifier "CB" Broker or sales office to NAD segment

2026-04-02	2.0	Added new DG Enhancements and Fumigation info
2026-04-27	2.1	Added recommendation for qualifier "RP" and conditional usage for "CZ" (USA export) and "FW" (cross bookings)

Status Indicators

Status Indicators (M and C) form part of the UN/EDIFACT 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.
C	Conditional	This entity is used by agreement between the parties to the transaction.

A 'Conditional' 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
UNA	Service String Advice	C	1	X
UNB	Interchange Header	M	1	M
UNG	Functional Group Header	C	1	X
UNH	Message Header	M	1	M
BGM	Beginning of Message	M	1	M
CTA	Contact Information	C	1	X
COM	Communication Contact	C	1	O
DTM	Date/Time/Period	C	9	X
TSR	Transport Service Requirements	C	9	M
MOA	Monetary Amount	C	9	X
FTX	Free Text	C	99	O
CNT	Control Total	C	9	O
GDS	Nature of Cargo	C	9	X
Group1		C	99	O
LOC	Place/Location Identification	M	1	M
DTM	Date/Time/Period	C	9	X
Group2		C	2	X
TOD	Terms of Delivery or Transport	M	1	X
LOC	Place/Location Identification	C	9	X
Group3		C	99	O
RFF	Reference	M	1	M
DTM	Date/Time/Period	C	9	X
Group4		C	9	X
GOR	Governmental Requirements	M	1	X
FTX	Free Text	C	9	X
Group5		C	9	X
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	1	X
Group6		C	99	X
TCC	Transport Charge/Rate Calculations	M	1	X
LOC	Place/Location Identification	C	1	X
FTX	Free Text	C	1	X
CUX	Currencies	C	1	X
PRI	Price Details	C	1	X
EQN	Number of Units	C	1	X
PCD	Percentage Details	C	1	X
MOA	Monetary Amount	C	9	X
QTY	Quantity	C	9	X

Group7		C	99	O
TDT	Details of Transport	M	1	M
DTM	Date/Time/Period	C	9	X
TSR	Transport Service Requirements	C	9	X
Group8		C	99	O
LOC	Place/Location Identification	M	1	M
DTM	Date/Time/Period	C	9	O
Group9		C	9	X
RFF	Reference	M	1	X
DTM	Date/Time/Period	C	1	X
Group10		C	99	O
NAD	Name and Address	M	1	M
LOC	Place/Location Identification	C	9	X
Group11		C	9	O
CTA	Contact Information	M	1	D
COM	Communication Contact	C	9	O
Group12		C	9	X
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	1	X
Group13		C	9	O
RFF	Reference	M	1	O
DTM	Date/Time/Period	C	9	X
Group14		C	9	O
CPI	Charge Payment Instructions	M	1	O
RFF	Reference	C	99	X
CUX	Currencies	C	1	X
LOC	Place/Location Identification	C	9	X
MOA	Monetary Amount	C	9	X
Group15		C	99	X
TSR	Transport Service Requirements	M	1	X
RFF	Reference	C	1	X
LOC	Place/Location Identification	C	1	X
TPL	Transport Placement	C	1	X
FTX	Free Text	C	9	X
Group16		C	999	O
GID	Goods Item Details	M	1	M
HAN	Handling Instructions	C	1	X
TMP	Temperature	C	1	X
RNG	Range Details	C	1	X
TMD	Transport Movement Details	C	1	X
LOC	Place/Location Identification	C	9	X
MOA	Monetary Amount	C	9	X
PIA	Additional Product Id	C	9	O
FTX	Free Text	C	9	M
PCD	Percentage Details	C	9	X

Group17		C	9	X
NAD	Name and Address	M	1	X
DTM	Date/Time/Period	C	1	X
GDS	Nature of Cargo	C	9	X
Group18		C	99	O
MEA	Measurements	M	1	O
EQN	Number of Units	C	1	X
Group19		C	99	O
DIM	Dimensions	M	1	X
EQN	Number of Units	C	1	X
Group20		C	9	O
RFF	Reference	M	1	O
DTM	Date/Time/Period	C	9	X
Group21		C	9	X
PCI	Package Identification	M	1	X
RFF	Reference	C	1	X
DTM	Date/Time/Period	C	1	X
GIN	Goods Identity Number	C	9	X
Group22		C	9	X
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	9	X
Group23		C	9	X
TPL	Transport Placement	M	1	X
Group24		C	9	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X
Group25		C	999	O
SGP	Split Goods Placement	M	1	M
Group26		C	9	O
MEA	Measurements	M	1	M
EQN	Number of Units	C	1	X

Group27		C	99	O
DGS	Dangerous Goods	M	1	M
FTX	Free Text	C	99	M
Group28		C	9	O
CTA	Contact Information	M	1	M
COM	Communication Contact	C	9	O
Group29		C	9	O
MEA	Measurements	M	1	D
EQN	Number of Units	C	1	X
Group30		C	999	X
SGP	Split Goods Placement	M	1	X
Group31		C	9	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X
Group32		C	999	O
EQD	Equipment Details	M	1	M
EQN	Number of Units	C	1	O
TMD	Transport Movement Details	C	1	X
MEA	Measurements	C	9	O
DIM	Dimensions	C	9	O
TPL	Transport Placement	C	9	X
HAN	Handling Instructions	C	1	O
TMP	Temperature	C	1	O
FTX	Free Text	C	9	O
RFF	Reference	C	9	O
Group33		C	9	O
NAD	Name and Address	M	1	M
DTM	Date/Time/Period	C	1	O
Group34		C	9	X
CTA	Contact Information	M	1	X
COM	Communication Contact	C	9	X
Group35		C	99	X
DGS	Dangerous Goods	M	1	X
FTX	Free Text	C	9	X
Group36		C	9	X
CTA	Contact Information	M	1	X
COM	Communication Contact	C	9	X
UNT	Message Trailer	M	1	M
UNE	Functional Group Trailer	C	1	X
UNZ	Interchange Trailer	M	1	M

Description of used Message Segments

UNB Interchange Header

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

up

Description:

To identify an interchange.

Example:

UNB+UNOB:3+PARTNERID+HAPAG-LLOYD+100202:1754+468776+++++1'

Tag	Element Name	Status	Type	Usage
S001	SYNTAX IDENTIFIER	M		M
	Description: Identification of the agency controlling the syntax, the syntax level and version number, and the service code directory.			
0001	Syntax identifier	M	a4	M
	Description: Coded identification of the agency controlling the syntax, and of the character repertoire used in an interchange. Note: Hapag-Lloyd prefers the UNOB syntax.			
0002	Syntax version number	M	n1	M
	Description: Version number of the syntax.			
S002	INTERCHANGE SENDER	M		M
	Description: Identification of the sender of the interchange.			
0004	Sender identification	M	an..35	M
	Description: Name or coded identification of the sender of the interchange. Note: Id of the message sender. Mutually agreed.			
0007	Partner identification code qualifier	C	an..4	X
	Description: Qualifier referring to the identification code.			
0008	Address for reverse routing	C	an..14	X
	Description: Identification (for example, a division, branch or computer system/process) specified by the sender of interchange, to be included if agreed, by the recipient in response interchanges, to facilitate internal routing.			

S003	INTERCHANGE RECIPIENT	M		M
	Description: Identification of the recipient of the interchange.			
0010	Recipient identification	M	an..35	M
	Description: Name or coded identification of the recipient of the interchange.			
0007	Partner identification code qualifier	C	an..4	X
	Description: Qualifier referring to the identification code.			
0014	Routing address	C	an..14	X
	Description: Identification (for example, a division, branch or computer system/process) specified by the recipient of interchange, to be included if agreed, by the sender in response interchanges, to facilitate internal routing.			
S004	DATE AND TIME OF PREPARATION	M		M
	Description: Date and time of preparation of the interchange.			
0017	Date of preparation	M	n6	M
	Description: Local date when an interchange or a group was prepared.			
	Note: Hapag-Lloyd recommends to use UTC date.			
0019	Time of preparation	M	n4	M
	Description: Local time of day when an interchange or a group was prepared.			
	Note: Hapag-Lloyd recommends to use UTC time.			
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
	Description: Unique reference assigned by the sender to an interchange.			
	Note: Unique reference assigned by the sender of this interchange.			
S005	RECIPIENTS REFERENCE PASSWORD	C		X
	Description: Reference or password as agreed between the communicating partners.			
0022	Recipient reference/password	M	an..14	X
	Description: Reference or password to the recipient's system or to a third party network as specified in the partners' interchange agreement.			
0025	Recipient reference/password qualifier	C	an2	X
	Description: Qualifier for the recipient's reference or password.			
0026	APPLICATION REFERENCE	C	an..14	X
	Description: Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message type, if all the messages in the interchange are of the same type.			

0029	PROCESSING PRIORITY CODE	C	a1	X
Description: Code determined by the sender requesting processing priority for the interchange.				
0031	ACKNOWLEDGEMENT REQUEST	C	n1	X
Description: Code requesting acknowledgement for the interchange.				
0032	COMMUNICATIONS AGREEMENT ID	C	an..35	X
Description: Identification by name or code of the type of agreement under which the interchange takes place.				
0035	TEST INDICATOR	C	n1	O
Description: Indication that the structural level containing the test indicator is a test.				
Note: 1-Message should be used as test file.				

UNH Message Header

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

up

Description:

To head, identify and specify a message.

Example:

```
UNH+0001+IFTMBF:D:00B:UN'
```

Tag	Element Name	Status	Type	Usage
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
Description: Unique message reference assigned by the sender.				
S009	MESSAGE IDENTIFIER	M		M
Description: Identification of the type, version, etc. of the message being interchanged.				
0065	Message type identifier	M	an..6	M
Description: Code identifying a type of message and assigned by its controlling agency.				
Note: IFTMBF				
0052	Message type version number	M	an..3	M
Description: Version number of a message type.				
Note: D				
0054	Message type release number	M	an..3	M
Description: Release number within the current message version number.				
Note: 00B				
0051	Controlling agency	M	an..2	M
Description: Code identifying a controlling agency.				
Note: UN				
0057	Association assigned code	C	an..6	X
Description: Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.				
0068	COMMON ACCESS REFERENCE	C	an..35	X
Description: Reference serving as a key to relate all subsequent transfers of data to the same business case or file.				

S010	STATUS OF THE TRANSFER	C		X
0070	Description: Statement that the message is one in a sequence of transfers relating to the same topic.			
	Sequence message transfer number	M	n..2	X
0073	Description: Number assigned by the sender indicating the transfer sequence of a message related to the same topic. The message could be an addition or a change to an earlier transfer related to the same topic.			
	First/last sequence message transfer indication	C	a1	X
	Description: Indication used for the first and last message in a sequence of messages related to the same topic.			

BGM Beginning of Message

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

up

Description:

To indicate the type and function of a message and to transmit the identifying number.

Example:

BGM+335+EDIFACT-REFERENCE:1.0+9'

Tag	Element Name	Status	Type	Usage
C002	DOCUMENT/MESSAGE NAME	C		O
	Description: Identification of a type of document/message by code or name. Code preferred. Note: Common value(s): 335 Booking request			
1001	Document name code	C	an..3	M
	Description: Code specifying the document name.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
1000	Document name	C	an..35	O
	Description: Name of a document. Note: May be used to indicate the EDI-partners product channel source of the Booking.			

C106	DOCUMENT/MESSAGE IDENTIFICATION	C		O
1004	Description: Identification of a document/message by its number and eventually its version or revision.			
	Document identifier	C	an..35	M
1056	Description: To identify a document. Note: This element will contain the EDI-partners unique reference, which may be returned in the booking confirmation IFTMBC. It has to be the same for originals, replacements and cancelations.			
	Version identifier	C	an..9	O
1060	Description: To identify a version. Note: Version-number to identify mutual updates for the same booking. Hapag-Lloyd will increase the decimal part of the version-number for each booking confirmation message. Example: 1.0 or 2			
	Revision identifier	C	an..6	X
1225	Description: To identify a revision.			
	MESSAGE FUNCTION CODE	C	an..3	M
4343	Description: Code indicating the function of the message. Note: Common value(s): 1 Cancellation 5 Replacement 9 Original Default=Original			
	RESPONSE TYPE CODE	C	an..3	X
	Description: Code specifying the type of acknowledgment required or transmitted.			

COM Communication Contact

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

up

Description:

To identify a communication number of a department or a person to whom communication should be directed.

Note:

Additional email address for party function "OY" = customer

Example:

COM+CUSTOMER@EMAILADDRESS.COM:EM'

Tag	Element Name	Status	Type	Usage
C076	COMMUNICATION CONTACT [1..3]	M		M
3148	Description: Communication number of a department or employee in a specified channel.			
	Communication address identifier	M	an..512	M
3155	Description: To identify a communication address.			
	Communication address code qualifier	M	an..3	M
	Description: Code qualifying the communication address.			
	Note: EM .. eMail-address			
	Example:			
	EM .. EMAIL			

TSR Transport Service Requirements

Status: C	Usage: M	Min/Max: 0/9
Group: N/A		

up

Description:

To specify the contract and carriage conditions and service and priority requirements for the transport.

Example:

```
TSR+30+2::2'
```

Tag	Element Name	Status	Type	Usage
C536	CONTRACT AND CARRIAGE CONDITION	C		O
	Description: To identify a contract and carriage condition.			
4065	Contract and carriage condition code	M	an..3	M
	Description: Code to identify the conditions of contract and carriage.			
	Note: Common value(s):			
	27 Door to door 28 Door to pier 29 Pier to door 30 Pier to pier			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			

C233	SERVICE	C		M
	Description: To identify a service (which may constitute an additional component to a basic contract).			
7273	Service requirement code	M	an..3	M
	Description: Code specifying a service requirement. Note: Service for pre-carriage: 2 FCL = Full Container Load 3 LCL = Less Container Load			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
7273	Service requirement code	C	an..3	M
	Description: Code specifying a service requirement. Note: Service for on-carriage: 2 FCL = Full Container Load 3 LCL = Less Container Load			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
C537	TRANSPORT PRIORITY	C		X
	Description: To indicate the priority of requested transport service.			
4219	Transport service priority code	M	an..3	X
	Description: Code specifying the priority of a transport service.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			

C703	NATURE OF CARGO	C		X
	Description: Rough classification of a type of cargo.			
7085	Cargo type classification code	M	an..3	X
	Description: Code specifying the classification of a type of cargo.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			

FTX Free Text

Status: C	Usage: O	Min/Max: 0/99
Group: N/A		

up

Description:

To provide free form or coded text information.

Example:

```
FTX+AAI+++GENERAL INFORMATION'
```

Documentary requirements:

1 Master BL and 3 House BL requested

```
FTX+ACA++1+1'
```

```
FTX+ACA++2+3'
```

1 Master BL and no house BL requested

```
FTX+ACA++1+1'
```

2 Master BLs requested:

a) **1 Master BL with 1 House BL and**

b) **1 Master BL with 3 House BLs requested**

```
FTX+ACA++1+2'
```

```
FTX+ACA++2+1'
```

```
FTX+ACA++2+3'
```

Tag	Element Name	Status	Type	Usage
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
Description: Code qualifying the subject of the text.				
Note: This segment may be used to send free text remarks as well as documentary requirements (the quantity of requested Master BLs and House BLs) to Hapag-Lloyd. If as part of the documentary requirements, preassigned BL Number(s) should be used. In addition to the amount specified here, those BL Number(s) may be send within RFF Segment (RFF+BM).				
Common value(s): AAI General Information ACA Documentary Requirements used to transmit the requested quantity of Master BLs and House BLs.				
4453	FREE TEXT FUNCTION CODE	C	an..3	X
Description: Code specifying the function of free text.				

C107	TEXT REFERENCE	C		D
4441	Description: Coded reference to a standard text and its source.			
	Free text value code	M	an..17	D
	Description: Code specifying free form text.			
	Note: 1 Total quantity of Master BLs to be issued. In this case the element 4440_Free_Text_Value shall contain this quantity. 2 Quantity of house BLs to be issued. In this case each occurrence of this FTX+ACA++2 segment is linked to one Master BL as requested within the preceding FTX+ACA++1 segment. The element 4440_Free_Text_Value shall contain the quantity of house BLs to be issued for this one Master BL.			
1131	Code list identification code	C	an..17	X
3055	Description: Code identifying a code list.			
	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			

C108	TEXT LITERAL	C		O
4440	Description: Free text; one to five lines.			
	Free text value [1..5]	M	an..512	M
	Description: Free form text.			
	Note: If 4451_Text_Subject_Code_Qualifier = "ACA" then quantity of requested Master BLs or House BLs Otherwise Free Text value			
3453	LANGUAGE NAME CODE	C	an..3	X
4447	Description: Code specifying the language name.			
	FREE TEXT FORMAT CODE	C	an..3	X
	Description: Code specifying the format of free text.			

CNT Control Total

Status: C	Usage: O	Min/Max: 0/9
Group: N/A		

up

Description:

To provide control total.

Example:

```

CNT+7:42400:KGM'
CNT+15:104:MTQ'
CNT+11:80'
CNT+16:2'

```

Tag	Element Name	Status	Type	Usage
C270	CONTROL	M		M
	Description: Control total for checking integrity of a message or part of a message.			
6069	Control total type code qualifier	M	an..3	M
	Description: Code qualifying the type of control of hash total. Note: Common value(s): 7 Total gross weight 11 Total number of packages 15 Total volume 16 Total number of equipment			
6066	Control total value	M	n..18	M
	Description: To specify the value of a control quantity. Note: The value should have two decimal places maximum. The decimal point does not count in the total number of characters.			
6411	Measurement unit code	C	an..3	D
	Description: Code specifying the unit of measurement. Note: Common value(s): KGM kilogram MTQ cubic metre			

LOC Place/Location Identification

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

up

Description:

To identify a place or a location and/or related locations.

Example:

```
LOC+197+DEHAM'
```

Tag	Element Name	Status	Type	Usage
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	M

Description:

Code identifying the function of a location.

Note:

Proposal by customer to specify carrier booking office (UNECE location code).

Common value(s):

197 identifies the "Carrier-Booking-Office UNECE location code"

C517	LOCATION IDENTIFICATION	C		O
	Description: Identification of a location by code or name.			
3225	Location name code	C	an..25	O
	Description: Code specifying the name of the location.			
	Note: Carrier-Booking-Office UNECE location code			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3224	Location name	C	an..256	X
	Description: Name of the location.			

C519	RELATED LOCATION ONE IDENTIFICATION	C		X
	Description: Identification the first related location by code or name.			
3223	First related location name code	C	an..25	X
	Description: Code specifying first related location.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3222	First related location name	C	an..70	X
	Description: Name of first related location.			
C553	RELATED LOCATION TWO IDENTIFICATION	C		X
	Description: Identification of second related location by code or name.			
3233	Second related location name code	C	an..25	X
	Description: Code specifying the second related location.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3232	Second related location name	C	an..70	X
	Description: Name of the second related location.			
5479	RELATION CODE	C	an..3	X
	Description: Code specifying a relation.			

RFF Reference

Status: M	Usage: M	Min/Max: 1/1
Group: 3		

up

Description:

To specify a reference.

Example:

```
RFF+BN:12345678'
RFF+ABT:X20110324123456:ITN'
RFF+AHX:56754.22.3.14'
```

Tag	Element Name	Status	Type	Usage																											
C506	REFERENCE	M		M																											
1153	Description: Identification of a reference.																														
	Reference code qualifier	M	an..3	M																											
	Description: Code qualifying a reference.																														
	Note: Common value(s): <table><thead><tr><th>code</th><th>description</th></tr></thead><tbody><tr><td>AAZ</td><td>In case of relevance for US customs system "AMS": SCAC code of Self-Filer.</td></tr><tr><td>ABT</td><td>AES ITN (Internal Transaction Number) This number is generated by the U.S. Census system, is assigned to the shipment and confirms that the transmission was accepted and is on file in AES.</td></tr><tr><td>ADZ</td><td>For Japan AFR: Indicator=YES means NVOC will file their house BL and carrier will file their master BL</td></tr><tr><td>AHX</td><td>Contract line item number (Rate note number= reference assigned to a specific rate). Conditional: Required in all cases where the contract is closed with the booking party and this party has received this reference from HL during a rate exchange Must not occure more than once.</td></tr><tr><td>AMN</td><td>In case of relevance for Canadian customs system "ACI": CAN 8000 code (assigned by Canadian Customs) of Self-Filer.</td></tr><tr><td>BM</td><td>Bill of lading number or sea waybill number Used to send preassigned BL numbers to Hapag-Lloyd. Only taken into consideration, when the documentary requirements are specified within FTX segment (FTX+ACA). May be repeated more than once.</td></tr><tr><td>BN</td><td>Hapag-Lloyd's 8-digit booking number, mandatory for replacements and cancellations</td></tr><tr><td>CT</td><td>Hapag-Lloyds contract or quotation number, whatever is applicable</td></tr><tr><td>FF</td><td>Forwarder Reference (will be only processed if Forwarder is provided)</td></tr><tr><td>ON</td><td>Purchase order number</td></tr><tr><td>SI</td><td>Communication Reference</td></tr><tr><td>TN</td><td>Transaction reference number Reference applied to a transaction between two or more parties over a defined life cycle; e.g. number applied by importer or broker to obtain release from Customs, may then used to control declaration through final accounting (synonyms: declaration, entry number).</td></tr><tr><td>UCN</td><td>UK-UCR number. Typically provided by the exporter or its agent for shipment departing Great Britain</td></tr></tbody></table>				code	description	AAZ	In case of relevance for US customs system "AMS": SCAC code of Self-Filer.	ABT	AES ITN (Internal Transaction Number) This number is generated by the U.S. Census system, is assigned to the shipment and confirms that the transmission was accepted and is on file in AES.	ADZ	For Japan AFR: Indicator=YES means NVOC will file their house BL and carrier will file their master BL	AHX	Contract line item number (Rate note number= reference assigned to a specific rate). Conditional: Required in all cases where the contract is closed with the booking party and this party has received this reference from HL during a rate exchange Must not occure more than once.	AMN	In case of relevance for Canadian customs system "ACI": CAN 8000 code (assigned by Canadian Customs) of Self-Filer.	BM	Bill of lading number or sea waybill number Used to send preassigned BL numbers to Hapag-Lloyd. Only taken into consideration, when the documentary requirements are specified within FTX segment (FTX+ACA). May be repeated more than once.	BN	Hapag-Lloyd's 8-digit booking number, mandatory for replacements and cancellations	CT	Hapag-Lloyds contract or quotation number, whatever is applicable	FF	Forwarder Reference (will be only processed if Forwarder is provided)	ON	Purchase order number	SI	Communication Reference	TN	Transaction reference number Reference applied to a transaction between two or more parties over a defined life cycle; e.g. number applied by importer or broker to obtain release from Customs, may then used to control declaration through final accounting (synonyms: declaration, entry number).	UCN
code	description																														
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UCN	UK-UCR number. Typically provided by the exporter or its agent for shipment departing Great Britain																														
1154	Reference identifier	C	an..70	D																											
	Description: Identifies a reference.																														
	Note: will be mapped as Local Booking Reference if referenced to Forwarder Reference value																														

1156	Document line identifier	C	an..6	D
	Description: To identify a line of a document. Note: When 1153_Reference_Code_Qualifier = "ABT", this element holds the additional customs requirements for AES-ITN. EXM Exempt from AES Filing ITN An ITN Number is required for AES filing OPN Opt 4 Shipper exemption number When 1153_Reference_Code_Qualifier = "UCN", this is the UK-UCR Part number. When 1153_Reference_Code_Qualifier = "ADZ", this element defines whether NVOC requires master from carrier or not. YES Master is required by NVOC NO No master is required by NVOC			
4000	Reference version identifier	C	an..35	X
	Description: To identify the version of a reference.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

TDT Details of Transport

Status: M	Usage: M	Min/Max: 1/1
Group: 7		

up

Description:

To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport. The segment may be pointed to by the TPL segment.

Example:

```
TDT+20+46E09+1++++:::HONG KONG EXPRESS'
```

Tag	Element Name	Status	Type	Usage
8051	TRANSPORT STAGE CODE QUALIFIER	M	an..3	M
Description: Code qualifying a specific stage of transport.				
Note: Hapag-Lloyd supports different detailing levels. One main carriage transport (TDT+20) is mandatory. The simplest case is to provide a transport from location A to location B, both locations may be inland locations. In this case, please provide a TDT+20 segment. In the booking confirmation, Hapag-Lloyd will provide a detailed routing. This is a best practice and recommended by Hapag-Lloyd. In case you want to define a more detailed routing, you can use additional TDT segments. Hapag-Lloyd will consider a maximum of one start point, two via-points and one end point. Hapag-Lloyd is quite tolerant evaluating the different TDT qualifiers. Important is the right sequence. If more than one TDT segment with the same qualifier is provided, the sequence within the EDI message is considered. Qualifiers TDT+12 and TDT+13 are deprecated but supported. TDT+10 can be used for both inland MH or CH at departure and pre-carriage vessel via repeated occurrence of the qualifier. TDT+30 can be used for both inland MH or CH at destination and on-carriage vessel via repeated occurrence of the qualifier.				
Allowed value(s): 12 At departure (inland transport MH or CH) - deprecated, but supported 10 Pre-carriage transport (inland and/or vessel) 20 Main carriage transport(vessel only) 30 On-carriage transport (inland and/or vessel)) 13 At destination (inland transport MH or CH) - deprecated, but supported				
8028	MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	an..17	O
Description: To identify a journey of a means of transport.				
Note: Schedule voyage number				

C220	MODE OF TRANSPORT	C		O
8067	Description: Method of transport code or name. Code preferred.			
	Transport mode name code	C	an..3	O
8066	Description: Code specifying the name of a mode of transport. Note: Common value(s): 1 Maritime transport (mandatory) 2 Rail transport (optional) 3 Road transport (optional) 8 Inland water transport (optional) 23 Combined Rail/Road (optional) 28 Combined Rail/Water 38 Combined Waterway/Road (optional)			
	Transport mode name	C	an..17	X
	Description: Name of a mode of transport.			
C228	TRANSPORT MEANS	C		O
8179	Description: Code and/or name identifying the type of means of transport.			
	Transport means description code	C	an..8	X
8178	Description: Code specifying the means of transport.			
	Transport means description	C	an..17	O
	Description: Free form description of the means of transport. Note: Hapag-Lloyd's DP voyage number			
C040	CARRIER	C		X
3127	Description: Identification of a carrier by code and/or by name. Code preferred.			
	Carrier identifier	C	an..17	X
1131	Description: To identify a carrier.			
	Code list identification code	C	an..17	X
3055	Description: Code identifying a code list.			
	Code list responsible agency code	C	an..3	X
3128	Description: Code specifying the agency responsible for a code list.			
	Carrier name	C	an..35	X
	Description: Name of a carrier.			
8101	TRANSIT DIRECTION INDICATOR CODE	C	an..3	X
	Description: Code specifying the direction of transport.			

C401	EXCESS TRANSPORTATION INFORMATION	C		X
	Description: To provide details of reason for, and responsibility for, use of transportation other than normally utilized.			
8457	Excess transportation reason code	M	an..3	X
	Description: Code specifying the reason for excess transportation.			
8459	Excess transportation responsibility code	M	an..3	X
	Description: Code specifying the responsibility for excess transportation.			
7130	Customer shipment authorisation identifier	C	an..17	X
	Description: To identify the authorisation to ship issued by the customer.			
C222	TRANSPORT IDENTIFICATION	C		O
	Description: Code and/or name identifying the means of transport.			
8213	Transport means identification name identifier	C	an..9	O
	Description: Identifies the name of the transport means.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
8212	Transport means identification name	C	an..35	M
	Description: Name identifying a means of transport. Note: Name of vessel			
8453	Transport means nationality code	C	an..3	X
	Description: Code specifying the nationality of a means of transport.			
8281	TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	an..3	X
	Description: Code indicating the ownership of a means of transport.			

LOC Place/Location Identification

Status: M	Usage: M	Min/Max: 1/1
Group: 8		

up

Description:

To identify a place or a location and/or related locations.

Example:

```
LOC+11+USNYC:::NEW YORK'
```

Tag	Element Name	Status	Type	Usage
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	M
Description: Code identifying the function of a location.				
Note: Allowed value(s):				
88 Place of Receipt (inland)				
9 Place / Port of loading - Seaport, freight terminal, rail station or other place at which the goods(cargo) are loaded on to the means of transport being used for their carriage (mandatory for vessel in TDT+20, valid for all other Modes of Transport).				
11 Place/port of discharge - Seaport, freight terminal, rail station or other place at which the goods(cargo) are unloaded from the means of transport having been used for their carriage (mandatory for vessel in TDT+20, valid for all other Modes of Transport).				
7 Place of delivery (inland)				
Qualifiers 88 and 7 may only occur once, but 9 and 11 are allowed multiple times. The order of the LOC segments transmitted has to reflect the order of the transport routing.				
The following LOC qualifiers are deprecated and will be translated into supported ones as specified below:				
Deprecated		Supported		
80 - Place of dispatch (inland)		88		
76 - Original port of loading		9		
12 - Port of discharge		11		
170 - Final port of discharge		11		
8 - Place of destination (inland)		7		

C517	LOCATION IDENTIFICATION	C		O
3225	Description: Identification of a location by code or name.			
	Location name code	C	an..25	M
1131	Description: Code specifying the name of the location. Note: UN location code			
	Code list identification code	C	an..17	X
3055	Description: Code identifying a code list.			
	Code list responsible agency code	C	an..3	X
3224	Description: Code specifying the agency responsible for a code list.			
	Location name	C	an..256	O
	Description: Name of the location. Note: Location long name			
C519	RELATED LOCATION ONE IDENTIFICATION	C		X
3223	Description: Identification the first related location by code or name.			
	First related location name code	C	an..25	X
1131	Description: Code specifying first related location.			
	Code list identification code	C	an..17	X
3055	Description: Code identifying a code list.			
	Code list responsible agency code	C	an..3	X
3222	Description: Code specifying the agency responsible for a code list.			
	First related location name	C	an..70	X
	Description: Name of first related location.			

C553	RELATED LOCATION TWO IDENTIFICATION	C		X
	Description: Identification of second related location by code or name.			
3233	Second related location name code	C	an..25	X
	Description: Code specifying the second related location.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3232	Second related location name	C	an..70	X
	Description: Name of the second related location.			
5479	RELATION CODE	C	an..3	X
	Description: Code specifying a relation.			

DTM Date/Time/Period

Status: C	Usage: O	Min/Max: 0/9
Group: 8		

up

Description:

To specify date, and/or time, or period.

Example:

DTM+133:201001022200:203'

Tag	Element Name	Status	Type	Usage
C507	DATE/TIME/PERIOD	M		M
	Description: Date and/or time, or period relevant to the specified date/time/period type.			
2005	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period.			
	Note: Common value(s): 133 departure date/time 132 arrival date/time			
2380	Date or time or period value	C	an..35	M
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
	Note: Each time sent in this segment should be local time of the referring location (preceding LOC-segment).			
2379	Date or time or period format code	C	an..3	M
	Description: Code specifying the representation of a date, time or period.			
	Note: Common value(s): 102 CCYYMMDD			

NAD Name and Address

Status: M	Usage: M	Min/Max: 1/1
Group: 10		

up

Description:

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Note:

One NAD segment with qualifier OY is mandatory. It represents the party ordering the shipment.

HL strongly recommends to provide

RP - Routing party: Party responsible for the selection of the carrier(s). Also party having signed the contract or quotation which is mentioned under RFF+CT (segment group 3)

Conditional required is:

CZ - Shipper (mandatory only for USA export)

FW - Freight Forwarder in case the ordering customer is not located there the transport starts (so called cross bookings), as HL needs a local contact.

All other transport parties are optional.

For the routing of the shipment at least two LOC or NAD segments are mandatory within the message to indicate the start point and the end point of the shipment.

It is possible to send more than one NAD segment with qualifier SF to represent a multistop precarriage. The sequence of the respective segments represents the sequence of the multistop addresses. All other qualifiers are mutually exclusive.

Example:

Common value(s):

NAD+OY+123456:ABC:86'

NAD+FW++FREIGHT FORWARDER:ADDRESS LINE 2:ADDRESS LINE 3'

Tag	Element Name	Status	Type	Usage
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M

Description:

Code giving specific meaning to a party.

Note:

Common value(s):

CZ Shipper (mandatory only for USA export)

CB Agent or representative or a professional Customs clearing agent who deals directly with Customs on behalf of the importer or exporter (CCC).

FW Freight Forwarder

PC Actual Purchasers Customer: Party the purchaser within the actual message is selling the ordered goods or services to.

RP Routing party: Party responsible for the selection of the carrier(s). Also party having signed the contract or quotation which is mentioned under RFF+CT (segment group 3)

OY Ordering Customer (mandatory)

SF Ship from (Start address of the shipment. Should only be sent for door shipments at export side, when TSR 4065_Contract_And_Carriage_Condition_Code = 27 or 28)

ST Ship to (End address of the shipment. Should only be sent for door shipments at import side, when TSR 4065_Contract_And_Carriage_Condition_Code = 27 or 29)

FP Freight charges payer any payer of freight charges which is not mentioned under FW, OY, CZ. Can occur multiple times.

C082	PARTY IDENTIFICATION DETAILS	C		D
3039	Description: Identification of a transaction party by code.			
	Party identifier	M	an..35	M
1131	Description: Code specifying the identity of a party. Note: Code identifying a party/address involved in the shipment. The code list may be specified in a bilateral agreement between CUSTOMER and Hapag-Lloyd.			
	Code list identification code	C	an..17	X
3055	Description: Code identifying a code list.			
	Code list responsible agency code	C	an..3	M
	Description: Code specifying the agency responsible for a code list. Note: Common value(s): 6 Hapag-Lloyd's internal organisation number 86 Bilateral assignment			
C058	NAME AND ADDRESS	C		D
3124	Description: Unstructured name and address: one to five lines. Note: Name and address of organisation.			
	Name and address description [1..5]	M	an..35	M
	Description: Free form description of a name and address line.			

C080	PARTY NAME	C		O
	Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.			
3036	Party name	M	an..35	M
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3045	Party name format code	C	an..3	X
	Description: Code specifying the representation of a party name.			
C059	STREET	C		O
	Description: Street address and/or PO Box number in a structured address: one to four lines.			
3042	Street and number or post office box identifier [1..4]	M	an..35	M
	Description: To identify a street and number and/or Post Office box number.			
3164	CITY NAME	C	an..35	O
	Description: Name of a city.			
C819	COUNTRY SUB-ENTITY DETAILS	C		X
	Description: To specify a part of a country (eg county or part of a city).			
3229	Country sub-entity name code	C	an..9	X
	Description: Code specifying the name of a country sub-entity.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3228	Country sub-entity name	C	an..35	X
	Description: Name of a country sub-entity.			
3251	POSTAL IDENTIFICATION CODE	C	an..17	X

Description: Code specifying the postal zone or address.				
3207	COUNTRY NAME CODE	C	an..3	X
Description: Identification of the name of the country or other geographical entity as specified in ISO 3166.				

CTA Contact Information

Status: M	Usage: D	Min/Max: 1/1
Group: 11		

up

Description:

To identify a person or a department to whom communication should be directed.

Tag	Element Name	Status	Type	Usage
3139	CONTACT FUNCTION CODE	C	an..3	M
Description: Code specifying the function of a contact (e.g. department or person). Note: Information Contact for this specific party. Example: CTA+IC+:CONTACT NAME '				
C056	DEPARTMENT OR EMPLOYEE DETAILS	C		O
Description: Code and/or name of a department or employee. Code preferred.				
3413	Department or employee name code	C	an..17	X
Description: Code specifying the name of a department or employee.				
3412	Department or employee name	C	an..35	O
Description: Name of a department or employee. Note: Name of employee				

COM Communication Contact

Status: C	Usage: O	Min/Max: 0/9
Group: 11		

up

Description:

To identify a communication number of a department or a person to whom communication should be directed.

Tag	Element Name	Status	Type	Usage
C076	COMMUNICATION CONTACT [1..3]	M		M
	Description: Communication number of a department or employee in a specified channel. Example: COM+CONTACT NUM:TE '			
3148	Communication address identifier	M	an..512	M
	Description: To identify a communication address.			
3155	Communication address code qualifier	M	an..3	M
	Description: Code qualifying the communication address. Note: Common value(s): EM electronic mail TE telephone			

RFF Reference

Status: M	Usage: O	Min/Max: 1/1
Group: 13		

up

Description:

To specify a reference.

Note:

Reference of the respective party-function. Only one occurrence allowed for each party.

Example:

RFF+ZZZ:Shippers Reference'

Tag	Element Name	Status	Type	Usage
C506	REFERENCE	M		M
	Description: Identification of a reference.			
1153	Reference code qualifier	M	an..3	M
	Description: Code qualifying a reference. Note: Common value(s): ZZZ Reference of the party provided in preceding NAD-Segment. AMV Department number Optional, Only allowed when NAD Qualifier='OY', Recommended for shipments from/to US.			
1154	Reference identifier	C	an..70	M
	Description: Identifies a reference. Note: Common value(s): NVOCC The order was placed by the NVOCC organisation of the ordering customer, qualifier AMV FORWARDER The order was placed by forwarding organisation of the ordering customer, qualifier AMV			
1156	Document line identifier	C	an..6	X
	Description: To identify a line of a document.			
4000	Reference version identifier	C	an..35	X
	Description: To identify the version of a reference.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

CPI Charge Payment Instructions

Status: M Usage: O Min/Max: 1/1
Group: 14

up

Description:

To identify a charge.

Note:

Charge category code

Tag	Element Name	Status	Type	Usage
C229	CHARGE CATEGORY	C		O
	Description: Identification of a category or a zone of charges.			
5237	Charge category code	M	an..3	M
	Description: Code specifying the category of charges. Note: Which charges are to be paid by this party: 1 All charges 2 Additional charges. Charges calculated by the carrier for specific events like re-weighting, re-loading, unexpected operations, services required during the voyage, etc. 3 Basic freight and all surcharges related to basic freight 4 Basic freight 5 Destination haulage charges incl. any surcharges 7 Destination port charges 8 Miscellaneous charges 10 Origin port charges 11 Origin haulage charges and surcharges 21 B/L fees (Supply of non-categorised documentation in paper form) 22 Customs export (Supply of customs formalities, export) 24 Customs import (Supply of customs formalities, import)			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
C231	METHOD OF PAYMENT	C		X
	Description: Code identifying the method of payment.			
4215	Transport charges payment method code	M	an..3	X
	Description: Code specifying the payment method for transport charges.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
4237	PAYMENT ARRANGEMENT CODE	C	an..3	O

Description:

Code specifying the arrangements for a payment.

Note:

Whether the respective charges are prepaid or collect

- | | |
|---|--|
| C | Collect. The charges are to be paid by the responsible party at the arrival of the vessel in the discharge port. |
| P | Prepaid. The charges are to be prepaid by the responsible party latest prior sailing from the load port. |

GID Goods Item Details

Status: M	Usage: M	Min/Max: 1/1
Group: 16		

up

Description:

To indicate totals of a goods item.

Note:

At least one GID segment has to be transmitted.

GID rules: At least the outer package (1st packing level) has to be sent. For hazardous cargo, the inner package (2nd packing level) may also be required. The inner-inner package (3rd packing level) may be provided, if there are multiple hazardous cargoes in the same inner package. 'PALLETS' must not be reported as package type but may be sent within the commodity description or as part of the package description.

In case of different inner- and inner-inner-packages within one outer package, the same GID sequential counter (1496_Goods_Item_Number) has to be used. For the outer package, the first composite C213 has to be used. For the inner package, the first composite C213 will be empty and the second composite C213 will be used.

Example:

Outer package without inner package:

GID+1+20:CR:::CRATE'

Outer package with one inner package:

GID+1+20:CR:::CRATE+50:CT:::CARTONS'

Outer package with two inner packages:

GID+1+20:CR:::CRATE'

GID+1++25:CT:::CARTONS'

GID+1++25:CT:::CARTONS'

Tag	Element Name	Status	Type	Usage
1496	GOODS ITEM NUMBER	C	n..5	M
Description: To specify a goods item within a consignment.				
Note: Sequential counter				

C213	NUMBER AND TYPE OF PACKAGES [0..5]	C		O
	Description: Number and type of individual parts of a shipment. Note: The first composite represents the outer packing. The second composite represents the inner packing. The third composite (only required for multiple DG cargoes in one inner packing) represents the inner-inner packing.			
7224	Package quantity	C	n..8	M
	Description: To specify the number of packages. Note: Package quantity			
7065	Package type description code	C	an..17	D
	Description: Code specifying the type of package. Note: Code of package, UN package codes should be used.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
7064	Type of packages	C	an..35	D
	Description: Description of the form in which goods are presented. Note: Package description			
7233	Packaging related description code	C	an..3	X
	Description: Code specifying information related to packaging.			

PIA Additional Product Id

Status: C	Usage: O	Min/Max: 0/9
Group: 16		

up

Description:

To specify additional or substitutional item identification codes.

Example:

PIA+5+123456:HS'

Tag	Element Name	Status	Type	Usage
4347	PRODUCT IDENTIFIER CODE QUALIFIER	M	an..3	M
Description: Code qualifying the product identifier. Note: Common value(s): 5 Product identification				
C212	ITEM NUMBER IDENTIFICATION [1..5]	M		M
Description: Goods identification for a specified source.				
7140	Item identifier	C	an..35	M
Description: To identify an item. Note: This field must not contain dots '.' and blank spaces ' ' Valid example: 010190 Invalid example: 010.190 In case of Qualifier 'CG' Commodity group code is required when the cargo enjoy a dedicated rate within the contract as mentioned in G3-RFF-1153/CT because of the commodity group. The code to use is provided by HL within the contract. If the code is not sent, then the usual rates of the contract as rated in SG3-RFF-1153/CT are applicable.				
7143	Item type identification code	C	an..3	M
Description: Coded identification of an item type. Note: Common value(s): HS Harmonized system 6 character classification codes from the World Customs Organization (WCO) Harmonized System (HS)Schedule. CG Commodity group code The code stipulated in Hapag Lloyd's contract or quotation for which a specific rate is applicable. CG is required when the cargo enjoys a dedicated rate within the contract as mentioned in SG3-RFF-1153/CT because of the commodity group. If this detail is not sent and also a corresponding free text in SG16-FTX-4451/AED is not sent, then the usual rates of the contract as rated in SG3-RF F-1153/CT are applicable.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a code list.				
3055	Code list responsible agency code	C	an..3	X
Description: Code specifying the agency responsible for a code list.				

FTX Free Text

Status: C	Usage: M	Min/Max: 0/9
Group: 16		

up

Description:

To provide free form or coded text information.

Example:

```
FTX+AAA+++MICROWAVE OVENS'
```

Tag	Element Name	Status	Type	Usage
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
Description: Code qualifying the subject of the text. Note: Common value(s): AAA Goods description AED is required when the cargo enjoy a dedicated rate within the contract as men-tioned in SG3-RFF-1153/CT because of the commodity group. If this detail is not sent and also not SG18-PIA-7143/CG, then the usual rates of the contract as rated in SG3-RF F-1153/CT are applicable.				
4453	FREE TEXT FUNCTION CODE	C	an..3	X
Description: Code specifying the function of free text.				
C107	TEXT REFERENCE	C		X
Description: Coded reference to a standard text and its source.				
4441	Free text value code	M	an..17	X
Description: Code specifying free form text.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a code list.				
3055	Code list responsible agency code	C	an..3	X
Description: Code specifying the agency responsible for a code list.				
C108	TEXT LITERAL	C		O
Description: Free text; one to five lines.				
4440	Free text value [1..5]	M	an..512	D
Description: Free form text. Note: Descripiton value				
3453	LANGUAGE NAME CODE	C	an..3	X
Description: Code specifying the language name.				
4447	FREE TEXT FORMAT CODE	C	an..3	X

Description:

Code specifying the format of free text.

MEA Measurements

Status: M Usage: O Min/Max: 1/1
Group: 18

up

Description:

To specify physical measurements, including dimension tolerances, weights and counts.

Example:

```
MEA+WT+AAE+KGM:5100 '
MEA+WT+AAL+KGM:5000 '
MEA+VOL+AAW+MTQ:2.5 '
```

Tag	Element Name	Status	Type	Usage
6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
Description: Code qualifying the purpose of the measurement. Note: Common value(s): WT weight VOL volume				
C502	MEASUREMENT DETAILS	C		O
Description: Identification of measurement type.				
6313	Measured attribute code	C	an..3	M
Description: Code specifying the attribute measured. Note: Common value(s): AAE gross weight AAL net weight AAW gross volume				
6321	Measurement significance code	C	an..3	X
Description: Code specifying the significance of a measurement.				
6155	Non-discrete measurement name code	C	an..17	X
Description: Code specifying the name of a non-discrete measurement.				
6154	Non-discrete measurement name	C	an..70	X
Description: Name of a non-discrete measurement.				

C174	VALUE/RANGE	C		O
6411	Description: Measurement value and relevant minimum and maximum values of the measurement range.			
	Measurement unit code	M	an..3	M
	Description: Code specifying the unit of measurement. Note: Common value(s): FTQ cubic foot MTQ cubic metre KGM kilogram LBR pound			
6314	Measurement value	C	an..18	O
	Description: To specify the value of a measurement. Note: The value should have maximum three decimal places. The decimal point does not count in the total number of characters.			
	Range minimum value	C	n..18	X
6162	Description: To specify the minimum value of a range.			
	Range maximum value	C	n..18	X
	Description: To specify the maximum value of a range.			
6432	Significant digits quantity	C	n..2	X
	Description: Count of the number of significant digits.			
7383	SURFACE OR LAYER CODE	C	an..3	X
	Description: Code specifying the surface or layer of an object.			

RFF Reference

Status: M	Usage: O	Min/Max: 1/1
Group: 20		

up

Description:

To specify a reference.

Example:

RFF+ON: PURCHASE ORDER NO'

Tag	Element Name	Status	Type	Usage
C506	REFERENCE	M		M
	Description: Identification of a reference.			
1153	Reference code qualifier	M	an..3	M
	Description: Code qualifying a reference. Note: Common value(s): ABW Stock keeping unit number AKG Vehicle identification number AMN Canadian Cargo Control Number ON Purchase order number UCN UK-UCR number. Typically provided by the Exporter or its Agent for shipment departing Great Britain.			
1154	Reference identifier	C	an..70	M
	Description: Identifies a reference. Note: Reference value			
1156	Document line identifier	C	an..6	D
	Description: To identify a line of a document. Note: When 1153_Reference_Code_Qualifier = "UCN", this is the UK-UCR Part number.			
4000	Reference version identifier	C	an..35	X
	Description: To identify the version of a reference.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

SGP Split Goods Placement

Status: M	Usage: M	Min/Max: 1/1
Group: 25		

up

Description:

To specify the placement of goods in relation to equipment.

Note:

At least one SGP segment has to be transmitted. It should only be sent for the first package level (outer package).

Example:

SGP+01+30'

Tag	Element Name	Status	Type	Usage
C237	EQUIPMENT IDENTIFICATION	M		M
	Description: Marks (letters/numbers) identifying equipment.			
8260	Equipment identifier	C	an..17	O
	Description: To identify equipment. Note: Container-number or sequential number. Numbers that are transmitted in this data element must also occur in data element 8260 of the EQD segment. Format of container number: PPPNNNNNNN with PPPP = Prefix N...N = Number			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3207	Country name code	C	an..3	X
	Description: Identification of the name of the country or other geographical entity as specified in ISO 3166.			
7224	PACKAGE QUANTITY	C	n..8	O
	Description: To specify the number of packages. Note: The amount of packages per container. Only required in case a cargo is splitted into different containers. Summed-up it should be equal to the number of packages in the Group16:GID:C213_Number_And_Type_Of_Packages:X7224_Package_Quantity.			

MEA Measurements

Status: M	Usage: M	Min/Max: 1/1
Group: 26		

up

Description:

To specify physical measurements, including dimension tolerances, weights and counts.

Note:

Sending of at least the gross weight of the split goods items is required when more than one SGP segment follows one GID. In case of DG cargo also the net weight of the split goods items is required.

Example:

MEA+WT+AAE+KGM:1275'

Tag	Element Name	Status	Type	Usage
6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
Description: Code qualifying the purpose of the measurement. Note: Common value(s): WT weight VOL volume				
C502	MEASUREMENT DETAILS	C		O
Description: Identification of measurement type.				
6313	Measured attribute code	C	an..3	M
Description: Code specifying the attribute measured. Note: Common value(s): AAE gross weight AAL net weight AAW gross volume				
6321	Measurement significance code	C	an..3	X
Description: Code specifying the significance of a measurement.				
6155	Non-discrete measurement name code	C	an..17	X
Description: Code specifying the name of a non-discrete measurement.				
6154	Non-discrete measurement name	C	an..70	X
Description: Name of a non-discrete measurement.				

C174	VALUE/RANGE	C		O
6411	Description: Measurement value and relevant minimum and maximum values of the measurement range.			
	Measurement unit code	M	an..3	M
	Description: Code specifying the unit of measurement. Note: Common value(s): FTQ cubic foot MTQ cubic metre KGM kilogram LBR pound			
6314	Measurement value	C	an..18	O
	Description: To specify the value of a measurement. Note: The value should have maximum three decimal places. The decimal point does not count in the total number of characters.			
	Range minimum value	C	n..18	X
6162	Description: To specify the minimum value of a range.			
	Range maximum value	C	n..18	X
	Description: To specify the maximum value of a range.			
6432	Significant digits quantity	C	n..2	X
	Description: Count of the number of significant digits.			
7383	SURFACE OR LAYER CODE	C	an..3	X
	Description: Code specifying the surface or layer of an object.			

DGS Dangerous Goods

Status: M	Usage: M	Min/Max: 1/1
Group: 27		

up

Description:

To identify dangerous goods.

Note:

The DGS segment is required for transportation of Dangerous Goods. Only one DGS segment is allowed for each Cargo.

Example:

DGS+IMD+3.2+1993+43.3:CEL+2+EMSNBR

DGS+CFR+3.2+1993+43.3:CEL+2+EMSNBR

Tag	Element Name	Status	Type	Usage
8273	HAZARDOUS GOODS REGULATIONS CODE	C	an..3	O
Description: Code specifying a dangerous goods regulation. Note: IMD - IMO IMDG Code CFR - IMO IMDG Code for North America				
C205	HAZARD CODE	C		O
Description: The identification of the dangerous goods in code.				
8351	Hazard identification code	M	an..7	M
Description: Code identifying a hazard. Note: 1st IMO class				
8078	Additional hazard classification identifier	C	an..7	O
Description: To identify an additional hazard classification.				
8092	Hazard code version identifier	C	an..10	X
Description: To identify the version number of a hazard code.				

C234	UNDG INFORMATION	C		O
	Description: Information on dangerous goods, taken from the United Nations Dangerous Goods classification.			
7124	United Nations Dangerous Goods (UNDG) identifier	C	n4	M
	Description: The unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried.			
	Note: UN number			
7088	Dangerous goods flashpoint value	C	an..8	X
	Description: To specify the value of the flashpoint of dangerous goods.			
C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	C		O
	Description: Temperature at which a vapor can be ignited as per ISO 1523/73.			
7106	Shipment flashpoint value	C	n3	M
	Description: To specify the value of the flashpoint of a shipment.			
	Note: If the temperature value is negative, the minus-sign ('-') must be transmitted in data element 7106. The minus-sign and/or the decimal point do not count in the total number of characters. The value should have one decimal place maximum.			
6411	Measurement unit code	C	an..3	M
	Description: Code specifying the unit of measurement.			
	Note: Common value(s): CEL Celsius FAH Fahrenheit			
8339	PACKAGING DANGER LEVEL CODE	C	an..3	O
	Description: Code specifying the level of danger for which the packaging must cater.			
	Note: Common value(s): 1 Great danger Packaging meeting criteria to pack hazardous materials with great danger. Group I according to IATA/IMDG/ADR/RID regulations. 2 Medium danger Packaging meeting criteria to pack hazardous materials with medium danger. Group II according to IATA/IDMG/ADR/RID regulations. 3 Minor danger Packaging meeting criteria to pack hazardous materials with minor danger. Group III according to IATA/IDMG/ADR/RID regulations.			
8364	EMERGENCY PROCEDURE FOR SHIPS IDENTIFIER	C	an..6	O
	Description: To identify the emergency procedure number for ships transporting dangerous goods. Synonym: EMS Number.			
8410	HAZARD MEDICAL FIRST AID GUIDE IDENTIFIER	C	an..4	X
	Description: To identify a Medical First Aid Guide (MFAG) for hazardous goods.			
8126	TRANSPORT EMERGENCY CARD IDENTIFIER	C	an..10	X

Description:

To identify a transport emergency (TREM) card.

C235	HAZARD IDENTIFICATION PLACARD DETAILS	C		X
8158	Description: These numbers appear on the hazard identification placard required on the means of transport.	C	an..4	X
	Orange hazard placard upper part identifier			
8186	Description: To specify the identity number for the upper part of the orange hazard placard required on the means of transport.	C	an4	X
	Orange hazard placard lower part identifier			
8246	Description: To specify the identity number for the lower part of the orange hazard placard required on the means of transport.	C	an..4	O
	Description: Markings identifying the type of hazardous goods and similar information. Note: If more than one IMO class is valid for the cargo, the additional classes must be sent here.			
8255	Dangerous goods marking identifier [0..3]	C	an..4	O
	Description: To identify the marking of dangerous goods. Note: First occurrence represents the 2nd IMO class, second occurrence represents the 3rd IMO class.			
8255	PACKING INSTRUCTION TYPE CODE	C	an..3	X
8325	Description: Code specifying a type of packing instruction.	C	an..3	X
	HAZARDOUS MEANS OF TRANSPORT CATEGORY CODE			
8211	Description: Code specifying the category of means of transport for carrying hazardous goods.	C	an..3	X
	HAZARDOUS CARGO TRANSPORT AUTHORISATION CODE			
8211	Description: Code specifying the authorisation for the transportation of hazardous cargo.	C	an..3	X

FTX Free Text

Status: C Usage: M Min/Max: 0/99
Group: 27

up

Description:

To provide free form or coded text information.

Example:

```
Proper Shipping Name'  
FTX+AAD++PSN+PROPER DANGEROUS SHIPPING NAME'  
Technical Name'  
FTX+AAD++TN+DANGEROUS GOODS TECHNICAL SHIPPING NAME'  
Dangerous Goods Comments'  
FTX+AAC+++DANGEROUS GOODS ADDITIONAL INFORMATION'  
Marine Pollutant'  
FTX+AAC++P'  
DGS Variant (Coded Variant List published by Exis Technologies)'  
FTX+AAC++CVL:122:ZZZ+102'  
Inhalant Hazard'  
FTX+AAC++IHL:122:ZZZ+A'  
Emergency Response Guide Number (ERG)'  
FTX+AAC++ERG:122:ZZZ+138'  
U.S. RAILROADS EMERGENCY RESPONSE REGULATION CODE. (STCC)'  
FTX+AAC++STC:122:ZZZ+55667788'  
Segregation Group (SEG)'  
FTX+AAC++SEG:122:ZZZ+SGG7'  
Reportable Quantity Indicator(RQ)'  
FTX+AAC++RQ:122:ZZZ'  
Segregation Group'  
FTX+AAC++SEG:122:ZZZ+12:Nitrites and their mixtures'  
Excepted Quantity Indicator(EQ)'  
FTX+AAD++TEQ:122:ZZZ+E0'  
Limited Quantity Indicator'  
FTX+AAD++TLQ'  
Emergency Temperature (ETMP)'  
FTX+AEB++ETMP:122:ZZZ+55:CEL'  
Control Temperature (CTMP)'  
FTX+AEB++CTMP:122:ZZZ+55:CEL'  
Self-Accelerating Polymerizing Temperature (SAPT)'  
FTX+AEB++SAPT:122:ZZZ+55:CEL'  
Self-Accelerating Decomposition Temperature (SADT)'  
FTX+AEB++SADT:122:ZZZ+55:CEL'  
IBC Packing Code'  
FTX+PKG++1A2'  
Handling instructions'  
FTX+HAN++4'
```

Tag	Element Name	Status	Type	Usage
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
Description: Code qualifying the subject of the text. Note: Common value(s): AAD dangerous goods technical name AAC dangerous goods additional information AEB Temperature control instructions PKG packing information HAN handling instructions				
4453	FREE TEXT FUNCTION CODE	C	an..3	X

Description:

Code specifying the function of free text.

C107	TEXT REFERENCE	C		O
4441	Description: Coded reference to a standard text and its source.		an..17	M
	Description: Code specifying free form text. Note: Common value(s): GAS Gas LQD Liquid SLD Solid HOT Hot WASTE Waste OIL OIL CVL DGS Variant ERG ERG NA Number STC STCC NA Number IHL Inhalant Hazard Zone RQ Reportable Quantity NP Non-marine pollutant P Marine pollutant SEG IMDG Segregation Group Those values may be sent when 4451_Text_Subject_Code_Qualifier = AAC. GAS (Gas), LQD (Liquid), SLD (Solid) are mutually exclusive. NP (Non-marine pollutant), P (Marine pollutant) are mutually exclusive. HOT , WASTE, OIL as content type. RQ as North America Reportable Quantity. CVL as Coded Variant List published by Exis Technologies. ERG as Emergency Response Guide Number. STC as U.S. Railroads Emergency Response Regulation Code. IHL as Inhalant Hazard Zone. PSN Proper dangerous goods shipping name TN Dangerous goods technical name TLQ Transport of dangerous goods in limited quantities TEQ Transport of dangerous goods in excepted quantities Those values may be sent when 4451_Text_Subject_Code_Qualifier = AAD. 4 Empty, uncleaned receptacle This value has to be sent when 4451_Text_Subject_Code_Qualifier = HAN.	M	an..17	M
1131	Code list identification code	C	an..17	X
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			

C108	TEXT LITERAL	C		D
4440	Description: Free text; one to five lines.			
	Free text value [1..5] Description: Free form text. Note: Dependencie(s): This element should be populated when X4441 = IHL This element should be populated when X4441 = CVL This element should be populated when X4441 = ERG This element should be populated when X4441 = STC This element should be populated when X4441 = SEG	M	an..512	D
3453	LANGUAGE NAME CODE	C	an..3	X
	Description: Code specifying the language name.			
4447	FREE TEXT FORMAT CODE	C	an..3	X
	Description: Code specifying the format of free text.			

CTA Contact Information

Status: M	Usage: M	Min/Max: 1/1
Group: 28		

up

Description:

To identify a person or a department to whom communication should be directed.

Tag	Element Name	Status	Type	Usage
3139	CONTACT FUNCTION CODE	C	an..3	O
Description: Code specifying the function of a contact (e.g. department or person). Note: Common value(s): HE emergency dangerous goods contact HG dangerous goods contact CANADA ER Emergency Response Assistance Plan MX dangerous goods contact MEXICO US dangerous goods contact USA Example: CTA+HE+:EMERGENCY CONTACT '				
C056	DEPARTMENT OR EMPLOYEE DETAILS	C		O
Description: Code and/or name of a department or employee. Code preferred.				
3413	Department or employee name code	C	an..17	X
Description: Code specifying the name of a department or employee.				
3412	Department or employee name	C	an..35	O
Description: Name of a department or employee.				

COM Communication Contact

Status: C	Usage: O	Min/Max: 0/9
Group: 28		

up

Description:

To identify a communication number of a department or a person to whom communication should be directed.

Example:

```
COM+999 345 7788:TE'
```

Tag	Element Name	Status	Type	Usage
C076	COMMUNICATION CONTACT [1..3]	M		M
	Description: Communication number of a department or employee in a specified channel.			
3148	Communication address identifier	M	an..512	M
	Description: To identify a communication address. Note: Emergency contact phone number.			
3155	Communication address code qualifier	M	an..3	M
	Description: Code qualifying the communication address. Note: Common value(s): TE telephone			

MEA Measurements

Status: M	Usage: D	Min/Max: 1/1
Group: 29		

up

Description:

To specify physical measurements, including dimension tolerances, weights and counts.

Note:

For dangerous goods of class 1 it is required to transmit the net explosive weight.

Example:

MEA+WT+AAF+KGM:1.135'

Tag	Element Name	Status	Type	Usage
6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
Description: Code qualifying the purpose of the measurement. Note: Common value(s): WT weight				
C502	MEASUREMENT DETAILS	C		O
Description: Identification of measurement type.				
6313	Measured attribute code	C	an..3	O
Description: Code specifying the attribute measured. Note: Common value(s): AAF net explosive weight				
6321	Measurement significance code	C	an..3	X
Description: Code specifying the significance of a measurement.				
6155	Non-discrete measurement name code	C	an..17	X
Description: Code specifying the name of a non-discrete measurement.				
6154	Non-discrete measurement name	C	an..70	X
Description: Name of a non-discrete measurement.				

C174	VALUE/RANGE	C		O
	Description: Measurement value and relevant minimum and maximum values of the measurement range.			
6411	Measurement unit code	M	an..3	O
	Description: Code specifying the unit of measurement. Note: Common value(s): KGM kilogram GRM gram			
6314	Measurement value	C	an..18	O
	Description: To specify the value of a measurement. Note: Value with 3 decimal digits maximum.			
6162	Range minimum value	C	n..18	X
	Description: To specify the minimum value of a range.			
6152	Range maximum value	C	n..18	X
	Description: To specify the maximum value of a range.			
6432	Significant digits quantity	C	n..2	X
	Description: Count of the number of significant digits.			
7383	SURFACE OR LAYER CODE	C	an..3	X
	Description: Code specifying the surface or layer of an object.			

EQD Equipment Details

Status: M	Usage: M	Min/Max: 1/1
Group: 32		

up

Description:

To identify a unit of equipment.

Example:

EQD+CN+01:230+22G0'

Tag	Element Name	Status	Type	Usage
8053	EQUIPMENT TYPE CODE QUALIFIER	M	an..3	M
Description: Code qualifying a type of equipment. Note: Common value(s): CN Container				
C237	EQUIPMENT IDENTIFICATION	C		O
Description: Marks (letters/numbers) identifying equipment.				
8260	Equipment identifier	C	an..17	O
Description: To identify equipment. Note: Container-Number or sequential number. The values of the 8260 data elements of segment SGP within segment-group 29 refer to this number. Therefore, when SGP segments are transmitted, this field is mandatory. Format of Container-number: PPPPNNNNNN with PPPP = Prefix N...N = Number				
1131	Code list identification code	C	an..17	O
Description: Code identifying a code list. Note: Common value(s): 146 Actual Container Number 230 Logical Container Number				
3055	Code list responsible agency code	C	an..3	X
Description: Code specifying the agency responsible for a code list.				
3207	Country name code	C	an..3	X
Description: Identification of the name of the country or other geographical entity as specified in ISO 3166.				

C224	EQUIPMENT SIZE AND TYPE	C		O
8155	Description: Code and or name identifying size and type of equipment. Code preferred.			
	Equipment size and type description code	C	an..10	O
1131	Description: Code specifying the size and type of equipment. Note: Actual ISO container group or size type			
	Code list identification code	C	an..17	X
3055	Description: Code identifying a code list.			
	Code list responsible agency code	C	an..3	X
8154	Description: Code specifying the agency responsible for a code list.			
	Equipment size and type description	C	an..35	X
8077	Description: Code specifying the party that is the supplier of the equipment. Note: Common value(s): 1 Shipper supplied 2 Carrier supplied			
	EQUIPMENT SUPPLIER CODE	C	an..3	O
8249	Description: Code specifying the status of equipment.			
	EQUIPMENT STATUS CODE	C	an..3	X
8169	Description: Code indicating whether an object is full or empty.			
	FULL OR EMPTY INDICATOR CODE	C	an..3	O

EQN Number of Units

Status: C	Usage: O	Min/Max: 0/1
Group: 32		

up

Description:
To specify the number of units.
Example:

EQN+2:2'

Tag	Element Name	Status	Type	Usage
C523	NUMBER OF UNIT DETAILS	M		M
	Description: Identification of number of units and its purpose.			
6350	Units quantity	C	n..15	O
	Description: To specify the number of units.			
6353	Unit type code qualifier	C	an..3	O
	Description: Code qualifying the type of unit.			
	Note: Common value(s): 2 transportable unit			

MEA Measurements

Status: C	Usage: O	Min/Max: 0/9
Group: 32		

up

Description:

To specify physical measurements, including dimension tolerances, weights and counts.

Note:

In case of reefer container it is possible to transmit humidity and air flow settings. For ventilated container only 'natural' ventilation is technically possible. No equipment settings are available.

Example:

MEA+AAZ+AAO+P1:65'

MEA+ABQ+AAS+MQH:5'

Tag	Element Name	Status	Type	Usage
6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
Description: Code qualifying the purpose of the measurement. Note: Common value(s): AAZ humidity required in % ABQ air Exchange required in cbm/h				
C502	MEASUREMENT DETAILS	C		M
Description: Identification of measurement type.				
6313	Measured attribute code	C	an..3	M
Description: Code specifying the attribute measured. Note: Common value(s): AAS air flow only for purpose ABQ AAO humidity only for purpose AAZ				
6321	Measurement significance code	C	an..3	X
Description: Code specifying the significance of a measurement.				
6155	Non-discrete measurement name code	C	an..17	X
Description: Code specifying the name of a non-discrete measurement.				
6154	Non-discrete measurement name	C	an..70	X
Description: Name of a non-discrete measurement.				

C174	VALUE/RANGE	C		M
	Description: Measurement value and relevant minimum and maximum values of the measurement range.			
6411	Measurement unit code	M	an..3	M
	Description: Code specifying the unit of measurement. Note: Common value(s): P1 percent of humidity only for unit AAO MQH cubic metre per hour only for unit AAS			
6314	Measurement value	C	an..18	M
	Description: To specify the value of a measurement. Note: All values should not have any decimal places. For humidity values 65, 70, 75, 80, 85, 90 and 95 are allowed. For air exchange setting values between 000 and 999 are allowed.			
6162	Range minimum value	C	n..18	X
	Description: To specify the minimum value of a range.			
6152	Range maximum value	C	n..18	X
	Description: To specify the maximum value of a range.			
6432	Significant digits quantity	C	n..2	X
	Description: Count of the number of significant digits.			
7383	SURFACE OR LAYER CODE	C	an..3	X
	Description: Code specifying the surface or layer of an object.			

DIM Dimensions

Status: C	Usage: O	Min/Max: 0/9
Group: 32		

up

Description:

To specify dimensions.

Note:

The segment is intended to indicate the commodity dimension (W/L/H) in case the commodity exceeds the container dimensions.
Values with two decimal places are allowed

Example:

DIM+9+MTR:0.55:0.65:1.48'

Tag	Element Name	Status	Type	Usage
6145	DIMENSION TYPE CODE QUALIFIER	M	an..3	X
Description: Code qualifying the type of the dimension. Note: Common value(s): 9 off-standard dimension general				
C211	DIMENSIONS	M		M
Description: Specification of the dimensions of a transportable unit.				
6411	Measurement unit code	M	an..3	M
Description: Code specifying the unit of measurement. Note: Common value(s): FOT foot MTR metre				
6168	Length dimension value	C	n..15	D
Description: To specify the value of a length dimension.				
6140	Width dimension value	C	n..15	D
Description: To specify the value of a width dimension.				
6008	Height dimension value	C	n..15	D
Description: To specify the value of a height dimension.				

HAN Handling Instructions

Status: C	Usage: O	Min/Max: 0/1
Group: 32		

up

Description:

To specify handling and where necessary, notify hazards.

Example:

HAN+NOP '

Tag	Element Name	Status	Type	Usage
C524	HANDLING INSTRUCTIONS	C		O
	Description: Instruction for the handling of goods, products or articles in shipment, storage etc.			
4079	Handling instruction description code	C	an..3	M
	Description: Code specifying a handling instruction. Note: Common value(s): NOP Non operative Reefer			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
4078	Handling instruction description	C	an..70	X
	Description: Free form description of a handling instruction.			
C218	HAZARDOUS MATERIAL	C		X
	Description: To specify a hazardous material.			
7419	Hazardous material category name code	C	an..4	X
	Description: Code specifying a kind of hazard for a material.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
7418	Hazardous material category name	C	an..35	X
	Description: Name of a kind of hazard for a material.			

TMP Temperature

Status: C	Usage: O	Min/Max: 0/1
Group: 32		

up

Description:

To specify the temperature setting.

Example:

```
TMP+2+02.3:CEL'
```

Tag	Element Name	Status	Type	Usage
6245	TEMPERATURE TYPE CODE QUALIFIER	M	an..3	M
Description: Code qualifying the type of a temperature. Note: Common value(s): 2 transport temperature				
C239	TEMPERATURE SETTING	C		M
Description: The temperature under which the goods are (to be) stored or shipped.				
6246	Temperature value	C	n..15	M
Description: To specify the value of a temperature. Note: Set temperature will conform to below rules: - Decimal will be represented using the dot ('.'). - Temperature values will not include group separators. - Temperature will contain 3 valid numeric digits, and may also contain a decimal and minus sign ('-'). - The value should have one decimal place maximum. - Negative Temperature will include a Minus sign ('-') and it will be in the first position of the element. - Positive Temperature will be unsigned. Valid examples: 05, -005, -05.5, 55.2, 45.0 Invalid examples: 1, -5, -05, 5.5, 23-, 35, .3, 5.04, +045				
6411	Measurement unit code	C	an..3	M
Description: Code specifying the unit of measurement. Note: Common value(s): CEL Celsius FAH Fahrenheit				

FTX Free Text

Status: C	Usage: O	Min/Max: 0/9
Group: 32		

up

Description:

To provide free form or coded text information.

Note:

FTX+AAI+++EQUIPMENT COMMENTS'

FTX+FMG+++Fumigation Type'

Tag	Element Name	Status	Type	Usage
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	M
Description: Code qualifying the subject of the text. Note: Common value(s): AAI General information, e.g. stowage remarks FMG Fumigation Information				
4453	FREE TEXT FUNCTION CODE	C	an..3	X
Description: Code specifying the function of free text.				
C107	TEXT REFERENCE	C		X
Description: Coded reference to a standard text and its source.				
4441	Free text value code	M	an..17	X
Description: Code specifying free form text. Note: Descripiton value				
1131	Code list identification code	C	an..17	X
Description: Code identifying a code list.				
3055	Code list responsible agency code	C	an..3	X
Description: Code specifying the agency responsible for a code list.				
C108	TEXT LITERAL	C		O
Description: Free text; one to five lines.				
4440	Free text value [1..5]	M	an..512	D
Description: Free form text. Note: Type of Fumigation used description when X4451 = FMG				
3453	LANGUAGE NAME CODE	C	an..3	X
Description: Code specifying the language name.				

4447	FREE TEXT FORMAT CODE	C	an..3	X
------	-----------------------	---	-------	---

Description:

Code specifying the format of free text.

RFF Reference

Status: C Usage: O Min/Max: 0/9
Group: 32

up

Description:

To specify a reference.

Example:

RFF+ON: PURCHASE ORDER NUMBER '

Tag	Element Name	Status	Type	Usage
C506	REFERENCE	M		M
	Description: Identification of a reference.			
1153	Reference code qualifier	M	an..3	M
	Description: Code qualifying a reference. Note: Reference value Common value(s): AEF Customer load reference AKG Vehicle identification number CCN Canadian cargo control number ON Purchase order number UCN UK-UCR number. Typically provided by the Exporter or its Agent for shipment departing Great Britain.			
1154	Reference identifier	C	an..70	M
	Description: Identifies a reference.			
1156	Document line identifier	C	an..6	D
	Description: To identify a line of a document.			
4000	Reference version identifier	C	an..35	X
	Description: To identify the version of a reference.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

NAD Name and Address

Status: M	Usage: M	Min/Max: 1/1
Group: 33		

up

Description:

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Example:

```
NAD+SF '
NAD+SU '
NAD+CK+CK-CODE+DEPOT 1.1:Depot 1.2:Depot 1.3:D4:D5'
```

Tag	Element Name	Status	Type	Usage
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M
Description: Code giving specific meaning to a party. Note: Common value(s): SF Ship from (which is equal to the positioning place). Should only be sent for door shipments at export side, when TSR 4065_Contract_And_Carriage_Condition_Code = 27 or 28 CK Empty equipment dispatch party (Desired pick up address of the empty container) SU Supplier (Party which manufactures or otherwise has possession of goods)				
C082	PARTY IDENTIFICATION DETAILS	C		O
Description: Identification of a transaction party by code.				
3039	Party identifier	M	an..35	O
Description: Code specifying the identity of a party. Note: Code identifying a party/address involved in the shipment. The code list must be specified in a bilateral agreement between CUSTOMER and Hapag-Lloyd.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a code list.				
3055	Code list responsible agency code	C	an..3	O
Description: Code specifying the agency responsible for a code list.				
C058	NAME AND ADDRESS	C		O
Description: Unstructured name and address: one to five lines. Note: Name and address of organisation.				
3124	Name and address description [1..5]	M	an..35	D
Description: Free form description of a name and address line.				

C080	PARTY NAME	C		O
	Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.			
3036	Party name	M	an..35	M
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3036	Party name	C	an..35	X
	Description: Name of a party.			
3045	Party name format code	C	an..3	X
	Description: Code specifying the representation of a party name.			
C059	STREET	C		O
	Description: Street address and/or PO Box number in a structured address: one to four lines.			
3042	Street and number or post office box identifier [1..4]	M	an..35	M
	Description: To identify a street and number and/or Post Office box number.			
3164	CITY NAME	C	an..35	O
	Description: Name of a city.			
C819	COUNTRY SUB-ENTITY DETAILS	C		X
	Description: To specify a part of a country (eg county or part of a city).			
3229	Country sub-entity name code	C	an..9	X
	Description: Code specifying the name of a country sub-entity.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3228	Country sub-entity name	C	an..35	X
	Description: Name of a country sub-entity.			
3251	POSTAL IDENTIFICATION CODE	C	an..17	O

Description: Code specifying the postal zone or address.				
3207	COUNTRY NAME CODE	C	an..3	O
Description: Identification of the name of the country or other geographical entity as specified in ISO 3166.				

DTM Date/Time/Period

Status: C	Usage: O	Min/Max: 0/1
Group: 33		

up

Description:

To specify date, and/or time, or period.

Note:

For carrier's haulage shipments the desired positioning date/time for the equipment should be transmitted.

For merchant's haulage shipments the desired empty container pick up date should be transmitted.

Example:

DTM+181:201012241234:203'

DTM+530:202604251530:203'

Tag	Element Name	Status	Type	Usage
C507	DATE/TIME/PERIOD	M		M
2005	Description: Date and/or time, or period relevant to the specified date/time/period type.			
	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period. Note: Common value(s): 181 Date of empty container positioning at customer's premises (carriers haulage) / Date of empty container pickup at depot (merchant haulage) 530 Date and time of fumigation when preceeding NAD+SU is provided. Time must be provided for Fumigation Date.			
2380	Date or time or period value	C	an..35	O
2379	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
	Date or time or period format code	C	an..3	M
	Description: Code specifying the representation of a date, time or period. Note: Common value(s): 203 CCYYMMDDHHMM (for carrier's haulage shipments) 102 CCYYMMDD (for merchant's haulage shipments)			

UNT Message Trailer

Status: M	Usage: M	Min/Max: 1/1
Group: 36		

up

Description:

To end and check the completeness of a message.

Example:

UNT+95+1'

Tag	Element Name	Status	Type	Usage
0074	NUMBER OF SEGMENTS IN A MESSAGE	M	n..6	M
Description: The number of segments in a message body, plus the message header segment and message trailer segment.				
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
Description: Unique message reference assigned by the sender.				

UNZ Interchange Trailer

Status: M	Usage: M	Min/Max: 1/1
Group: 36		

up

Description:

To end and check the completeness of an interchange.

Example:

UNZ+1+468776 '

Tag	Element Name	Status	Type	Usage
0036	INTERCHANGE CONTROL COUNT	M	n..6	M
Description: The number of messages and packages in an interchange or, if used, the number of groups in an interchange.				
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
Description: Unique reference assigned by the sender to an interchange.				

Examples

Minimum Requirements for an IFTMBF:

```
UNB+UNOB:3+PARTNERID:ZZZ+HAPAG-LLOYD:ZZZ+100202:1754+468776+++++1'
UNH+00001+IFTMBF:D:00B:UN'
BGM+335+EDIFACT-REFERENCE+9'
TSR+30+2::2'
TDT+20+46E09+1++++:::HONG KONG EXPRESS'
LOC+9+DEHAM:::HAMBURG'
DTM+133:201001022200:203'
LOC+11+USNYC:::NEW YORK'
NAD+0Y+123456'
GID+1+20:CR:::CRATE'
FTX+AAA+++MICROWAVE OVENS'
SGP+01'
EQD+CN+01:230+22G0'
UNT+13+1'
UNZ+1+468776'
```

Multistop:

```
...
TSR+27+2::2'
...
TDT+10++3'
LOC+88+DEMUC:::MUENCHEN'
DTM+133:200701010823:203'
TDT+10++1'
LOC+9+DEHAM:::HAMBURG'
DTM+133:200701010823:203'
TDT+20+02W06+1++++:::PONL MONDRIAAN'
LOC+9+DEBRV:::BREMERHAVEN'
DTM+133:200701022200:203'
LOC+11+USNYC:139:6:NEW YORK'
DTM+132:200701250711:203'
TDT+30++1'
LOC+11+USORF:::NORFOLK'
TDT+30++2'
LOC+7+USDEN:::DENVER'
DTM+132:20070124:102'
NAD+SF++SHIP FROM 1:Ship from 2:81111 MUENCHEN:GERMANY'
NAD+SF++SHIP FROM 1:Ship from 2:81222 MUENCHEN:GERMANY'
NAD+SF++SHIP FROM 1:Ship from 2:80333 MUENCHEN:GERMANY'
NAD+ST+123+SHIP TO 1:Ship to 2:Ship to 3:Ship to 4:Ship to 5++ST-STREET 1:ST-STREET 2+++23456+GE'
NAD+ST++SHIP TO 1:Ship to 2:Ship to 3:Ship to 4:Ship to 5++ST-STREET 1:ST-STREET 2+++23456+GE'
NAD+ST++SHIP TO 1:Ship to 2:81111 DENVER'
...
```

Minimal Cargo definition:

```
...
GID+1+20:CR:::CRATE'
FTX+AAA+++MICROWAVE OVENS'
SGP+01'
```

Minimal Cargo definition split into different containers:

```
...
GID+1+20:CR:::CRATE'
FTX+AAA+++MICROWAVE OVENS'
SGP+01+15'
SGP+02+5'
```

Complete Cargo definition split into different containers:

```
...
GID+1+20:CR:::CRATE'
PIA+5+900200:HS'
FTX+AAA+++CHEMICALS'
MEA+WT+AAE+KGM:5100'
MEA+WT+AAL+KGM:5000'
MEA+VOL+AAW+MTQ:2'
RFF+0N:CARGO PURCHASE ORDER NO'
SGP+01+15'
MEA+WT+AAE+KGM:3825'
MEA+WT+AAL+KGM:3750'
MEA+AAE+AAW+MTQ:1.5'
SGP+02+5'
MEA+WT+AAE+KGM:1275'
MEA+WT+AAL+KGM:1250'
MEA+AAE+AAW+MTQ:0.5'
```

Complete Cargo and DG definiton:

```
...  
GID+1+20:CR:::CRATE+60:CT:::CARTONES'  
PIA+5+280000:HS'  
FTX+AAA+++CHEMICALS'  
MEA+WT+AAE+KGM:5100'  
MEA+WT+AAL+KGM:5000'  
MEA+VOL+AAW+MTQ:2'  
RFF+0N:CARGO PURCHASE ORDER NO'  
SGP+01'  
DGS+IMD+9+3077++3'  
FTX+AAD++PSN+ENVIRONMENTALLY HAZARDOUS SUBSTANCE'  
FTX+AAD++TN+CONTAINS METIRAM 70%'  
FTX+AAD++TLQ'  
FTX+AAC++P'  
FTX+AAC+++DG ADDITIONAL INFORMATION'  
CTA+HE+:DG EMERGENCY CONTACT'  
COM+123 45 6677:TE'
```

Two different DG-cargos combined in one outer packing (3-level-packing required):

```
...  
GID+1+20:CR:::CRATE'  
PIA+5+280421:HS'  
FTX+AAA+++COMMODITY DESCRIPTION'  
MEA+WT+AAE+KGM:3000.135'  
SGP+01'  
GID+1++100:BX:::BOX'  
GID+1+++180:CY:::CYLINDER'  
DGS+IMD+3.2+1993+43.3:CEL+2'  
FTX+AAD++PSN+PROPER SHIPPING NAME'  
CTA+HE+:EMERGENCY CONTACT'  
COM+123 444 9909:TE'  
MEA+WT+AAF+KGM:1.245'  
GID+1++100:BX:::BOX'  
GID+1+++180:CY:::CYLINDER'  
DGS+IMD+3+1263+-18.0:CEL+2'  
FTX+AAD++PSN+PAINT RELATED MATERIAL'  
CTA+HE+:EMERGENCY CONTACT'  
COM+123 444 9909:TE'
```