HL STANDARD VERMAS D16A FOR VGM SUBMISSION

EDI Message Implementation Guide

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Functional Definition

Change History

Date	Version	User	Change
01.02.2016	0.4	Peter Scharringhausen	MIG Created
19.02.2016	0.5	Peter Scharringhausen	SG2:NAD Submitter Party added
12.04.2016	1.0	Peter Scharringhausen	Examples updated Time Zone specified
10.05.2016	1.1	Peter Scharringhausen	Usage of SG8:NAD and SG9:CTA+RP more clearly described.
25.05.2016	1.1.1	Peter Scharringhausen	Examples corrected - SG7:DOC+::SMDG replaced by SG7:DOC+::306 Min occurence of SG9 changed: - SG9 Min/Max: 1/9 replaced by SG9 Min/Max: 0/9
31.05.2016	1.1.2	Peter Scharringhausen	Status and usage of SG7 set to "mandatory".
01.06.2016	1.1.3	Peter Scharringhausen	Determination Date Format CCYYMMDD added - SG5:DTM - SG7:DTM Technical UNB descriptions added - ACKNOWLEDGEMENT REQUEST - TEST INDICATOR
29.06.2016	1.2	Peter Scharringhausen	Improvements from SMDG VERMAS 1.0 and INTTRA VERMAS 1.0 adopted.
14.07.2016	1.2.1	Peter Scharringhausen	SG7:DOC qualifier "DRF" added
05.10.2016	1.2.2	Peter Scharringhausen	- SGS:NAD qualifier "SPC": Description updated - UNT added - UNZ added
05.11.2026	1.2.3	Katarzyna Watroba	-BGM "VGM": Description updated

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
UNH	Message Header	M	1	M
BGM	Beginning of Message	M	1	M
DTM	Date/Time/Period	C	1	O
Group1		**C**	**9**	**X**
RFF	Reference	M	1	X
DTM	Date/Time/Period	C	1	X
Group2		**C**	**9**	**O**
NAD	Name and Address	M	1	M
Group3		**C**	**9**	**O**
CTA	Contact Information	C	1	O
COM	Communication Contact	C	9	O
Group4		**M**	**9999**	**M**
EQD	Equipment Details	M	1	M
RFF	Reference	M	9	M
LOC	Place/Location Identification	C	9	X
SEL	Seal Number	C	9	X
Group5		**M**	**9**	**M**
MEA	Measurements	M	1	M
DTM	Date/Time/Period	C	9	O
Group6		**C**	**9**	**X**
TDT	Transport Information	M	1	X
RFF	Reference	C	9	X
Group7		**C**	**9**	**M**
DOC	Document/Message Details	M	1	M
DTM	Date/Time/Period	C	9	O
Group8		**C**	**9**	**M**
NAD	Name and Address	M	1	M
Group9		**C**	**9**	**D**
CTA	Contact Information	M	1	M
COM	Communication Contact	C	9	O
UNT	Message Trailer	M	1	M
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 start, identify and specify an interchange.

Example:

```
UNB+UNOC:3+SUBMITTER_ID:ZZZ+HLAG:ZZZ+160601:1430+100++++1++1'
```

Tag	Element Name	Status	Type	Usage
S001	**SYNTAX IDENTIFIER**	**M**		**M**
	Description: Identification of the agency controlling the syntax and indication of syntax level, plus the syntax version number.			
0001	Syntax identifier	M	a4	M
	Description: Coded identification of the agency controlling a syntax and syntax level used in an interchange.Notes:1. a3, upper case, Controlling Agency (e.g. UNO=UN/ECE) and a1 stating level (e.g. A) (which together give UNOA). **Note:** **Accepted Value(s):** UNOC UN/ECE level CUN/ECE level C			
0002	Syntax version number	M	n1	M
	Description: Version number of the syntax identified in the syntax identifier (0001)Notes:1. Increments 1 for each version. **Note:** **Accepted Value(s):** 3 Version 3			

S002	INTERCHANGE SENDER	M		M
	Description: Identification of the sender of the interchange.			
0004	Sender identification	M	an..35	M
	Description: Name or coded representation of the sender of a data interchange.Notes:1. Code or name as specified in IA. **Note:** `Submitter Trading Partner EDI ID`			
0007	Partner identification code qualifier	C	an..4	O
	Description: Qualifier referring to the source of codes for the identifiers of interchanging partners.Notes:1. Used with sender/recipient identification code. **Note:** **Accepted Value(s):** ZZZ Mutually defined			
0008	Address for reverse routing	C	an..14	X
	Description: Address specified by the sender of an interchange to be included by the recipient in the 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 representation of the recipient of a data interchange.Notes:1. Code or name as specified in IA. **Note:** **Accepted Value(s):** HLAG HAPAG-LLOYD AG			
0007	Partner identification code qualifier	C	an..4	O
	Description: Qualifier referring to the source of codes for the identifiers of interchanging partners.Notes:1. Used with sender/recipient identification code. **Note:** **Accepted Value(s):** ZZZ Mutually defined			
0014	Routing address	C	an..14	X
	Description: Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization.Notes:1. If used, normally coded sub-address for onward routing.			

S004	DATE AND TIME OF PREPARATION	M		M
	Description: Date/time of preparation of the interchange.			
0017	Date of preparation	M	n6	M
	Description: Local date when an interchange or a functional group was prepared.Notes:1. YYMMDD **Note:** Format YYMMDD			
0019	Time of preparation	M	n4	M
	Description: Local time of day when an interchange or a functional group was prepared.Notes:1. HHMM **Note:** Assumed to be UTC (GMT) Time. The twenty-four hour clock system must be used to express time.			
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
	Description: Unique reference assigned by the sender to an interchange.Notes:1. Shall be identical in UNB and UNZ.			
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: Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement.Notes:1. As specified in IA. May be password to recipient's system or to third party network.			
0025	Recipient reference/password qualifier	C	an2	X
	Description: Qualifier for the recipient's reference or password.Notes:1. Used if specified in IA.			
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 identifier if all the messages in the interchange are of the same type.Notes:1. Optionally message identification if the message interchange contains only one type of message.			
0029	PROCESSING PRIORITY CODE	C	a1	X
	Description: Code determined by the sender requesting processing priority for the interchange.Notes:1. Used if specified in IA.			
0031	ACKNOWLEDGEMENT REQUEST	C	n1	O
	Description: Code determined by the sender for acknowledgement of the interchange.Notes:1. Set = 1 if sender requests acknowledgement, i.e. UNB and UNZ segments received and identified. **Note:** **Accepted Value(s):** *Empty* No Acknowledgement requested 1 An Acknowledgement is requested			
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.Notes:1. If used, to identify type of communication agreement controlling the interchange, e.g. Customs or ECE agreement. Code or name as specified in IA.

0035	TEST INDICATOR	C	n1	O

Description:
Indication that the interchange is a test.Notes:1. Set = 1 if the interchange is a test. Otherwise not used.

Note:

Accepted Value(s):	
Empty	Message contains productive data
1	Message contains test data. No processing in a productive environment expected.

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+80+VERMAS:D:16A:UN'
```

Tag	Element Name	Status	Type	Usage
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
	Description: Unique message reference assigned by the sender.Notes:1. Shall be identical in UNH and UNT.			
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.Notes:1. Type of message being transmitted. **Note:** **Accepted Value(s):** VERMAS Verified gross mass			
0052	Message type version number	M	an..3	M
	Description: Version number of a message type.Notes:1. Version number of the message type. If UNG is used, 0052 version number of the message type in the functional group shall be identical. **Note:** **Accepted Value(s):** D Draft version UNEDIFACT Directory			
0054	Message type release number	M	an..3	M
	Description: Release number within the current message type version number (0052).Notes:1. The representation of 0054 was specified as n..3 in version 1 of ISO 9735. **Note:** **Accepted Value(s):** 16A Release 2016 - A			
0051	Controlling agency	M	an..2	M
	Description: Code to identify the agency controlling the specification, maintenance and publication of the message type. **Note:** **Accepted Value(s):** UN UN CEFACT			
0057	Association assigned code	C	an..6	X
	Description: A 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.Notes:1. Key to relate all subsequent transfers of data to the same business case or file. Within the 35 characters the IA may specify component elements.			
S010	**STATUS OF THE TRANSFER**	**C**		**X**
	Description: Statement that the message is one in a sequence of transfers relating to the same topic.			
0070	Sequence message transfer number	M	n..2	X
	Description: Number assigned by the sender indicating the numerical sequence of one or more transfers.Notes:1. Starts at 1 and is incremented by 1 for each transfer.			
0073	First/last sequence message transfer indication	C	a1	X
	Description: Indication used for the first and last message in a sequence of the same type of message relating to the same topic.Notes:1. Must be present if more than one transfer is foreseen.			

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+749+8394887+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.			
1001	Document name code	C	an..3	O
	Description: Code specifying the document name. **Note:** **Accepted Value(s):** VGM VERMAS transaction (deprecated); 749 Transport equipment gross mass verification message			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained 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	X
	Description: Name of a document.			
C106	**DOCUMENT/MESSAGE IDENTIFICATION**	**C**		**O**
	Description: Identification of a document/message by its number and eventually its version or revision.			
1004	Document identifier	C	an..70	O
	Description: To identify a document.			
1056	Version identifier	C	an..9	X
	Description: To identify a version.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			
1225	MESSAGE FUNCTION CODE	C	an..3	O
	Description: Code indicating the function of the message. **Note:** **Accepted Value(s):** 1 Cancellation; 4 Change; 9 Original			
4343	RESPONSE TYPE CODE	C	an..3	X

	Description: Code specifying the type of acknowledgment required or transmitted.			
1373	DOCUMENT STATUS CODE	C	an..3	X
	Description: Code specifying the status of a document.			
3453	LANGUAGE NAME CODE	C	an..3	X
	Description: Code specifying the language name.			

DTM Date/Time/Period

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

up

Description:

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

Example:

```
DTM+137:201606011430:203
```

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:** **Accepted Value(s):** 137 Document issue date time in **UTC**			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period. **Note:** **Accepted Value(s):** 203 Format: CCYYMMDDHHMM TimeZone: UTC 303 Format: CCYYMMDDHHMMZZZ TimeZone: "ZZZ" defines difference to UTC (+01)			

NAD Name and Address

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

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:

```
It is recommended to transmit name/address data in structured form by C080 through 3207.
Transmission in coded form in C082 requires agreement between communication partners
```

Example:

```
NAD+TB+810403::86++SUBMITTER NAME+STREET AND NUMBER+CITY+NJ+07281+US
```

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

Description:
Code giving specific meaning to a party.
Note:

```
Accepted Value(s):
TB      Submitter
CZ      Consignor
SPC     SOLAS verified gross mass responsible party
TR      Terminal operator
WPA     Weighting party
```

C082	PARTY IDENTIFICATION DETAILS	C		O

Description:
Identification of a transaction party by code.

3039	Party identifier	M	an..35	M

Description:
Code specifying the identity of a party.

1131	Code list identification code	C	an..17	X

Description:
Code identifying a user or association maintained code list.

3055	Code list responsible agency code	C	an..3	O

Description:
Code specifying the agency responsible for a code list.
Note:

```
Accepted Value(s):
86      Assigned by party originating the message
87      Assigned by carrier
```

C058	NAME AND ADDRESS	C		O

Description:
Unstructured name and address: one to five lines.
Note:

```
Usage of this composite is deprecated. For transmission of name and address it is
recommended to use C080 through 3207 instead.
```

3124	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..70	M
	Description: Name of a party.			
3036	Party name	C	an..70	O
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	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 SUBDIVISION DETAILS	C		X
	Description: To specify a country subdivision, such as state, canton, county, prefecture.			
3229	Country subdivision identifier	C	an..9	X
	Description: To identify a country subdivision, such as state, canton, county, prefecture.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3228	Country subdivision name	C	an..70	X
	Description: Name of a country subdivision, such as state, canton, county, prefecture.			
3251	POSTAL IDENTIFICATION CODE	C	an..17	O

	Description: Code specifying the postal zone or address.			
3207	COUNTRY IDENTIFIER	C	an..3	O
	Description: Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.			

CTA Contact Information

Status: C Usage: O Min/Max: 0/1
Group: 3

up

Description:

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

Example:

```
CTA+MS+:SUBMITTER CONTACT
```

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:** **Accepted Value(s):** IC Information contact; MS Message sender contact			

C056	CONTACT DETAILS	C		O
	Description: Code and/or name of a contact such as a department or employee. Code preferred.			
3413	Contact identifier	C	an..17	X
	Description: To identify a contact, such as a department or employee.			
3412	Contact name	C	an..256	O
	Description: Name of a contact, such as a department or employee.			

COM Communication Contact

Status: C	Usage: O	Min/Max: 0/9
Group: 3		

up

Description:

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

Example:

```
COM+390 498 3332: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.				
3155	Communication means type code	M	an..3		M
	Description: Code specifying the type of communication address. **Note:** **Accepted Value(s):** EM Electronic mail MA Mail FX Telefax EI EDI transmission TE Telephone AL Cellular phone AM International telephone direct line				

EQD Equipment Details

Status: M Usage: M Min/Max: 1/1
Group: 4

up

Description:

To identify a unit of equipment.

Note:

```
Group4 transmitting VGM information about a container:

      - identification and routing information
      - gross mass (status verified or not)
      - DOC group for documention of VGM
```

Example:

```
EQD+CN+HLCU1260179:6346:5+22GP:6346:5+1'
```

Tag	Element Name	Status	Type	Usage
8053	EQUIPMENT TYPE CODE QUALIFIER	M	an..3	M
	Description: Code qualifying a type of equipment. **Note:** **Accepted 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. **Example:** HLCU1260179			
1131	Code list identification code	C	an..17	O
	Description: Code identifying a user or association maintained code list. **Note:** **Accepted Value(s):** 6346 Container id ISO 6346			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list. **Note:** **Accepted Value(s):** 5 ISO (International Organization for Standardization)			
3207	Country identifier	C	an..3	X
	Description: Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.			

C224	EQUIPMENT SIZE AND TYPE	C		O
	Description: Code and or name identifying size and type of equipment. Code preferred.			
8155	Equipment size and type description code	C	an..10	O
	Description: Code specifying the size and type of equipment. **Example:** 22GP			
1131	Code list identification code	C	an..17	O
	Description: Code identifying a user or association maintained code list. **Note:** **Accepted Value(s):** 6346 Size and type code according to ISO 6346			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list. **Note:** **Accepted Value(s):** 5 ISO (International Organization for Standardization)			
8154	Equipment size and type description	C	an..35	X
	Description: Free form description of the size and type of equipment.			

8077	EQUIPMENT SUPPLIER CODE	C	an..3	O
	Description: Code specifying the party that is the supplier of the equipment. **Note:** **Accepted Value(s):** 1 Shipper supplied 2 Carrier supplied			
8249	EQUIPMENT STATUS CODE	C	an..3	X
	Description: Code specifying the status of equipment.			
8169	FULL OR EMPTY INDICATOR CODE	C	an..3	X
	Description: Code indicating whether an object is full or empty.			
4233	MARKING INSTRUCTIONS CODE	C	an..3	X
	Description: Code specifying instructions for marking.			

RFF Reference

Status: M Usage: M Min/Max: 1/9
Group: 4

up

Description:

To specify a reference.

Note:

```
This reference is intended to relate the transmitted VGM data to message recipient's internal
business transactions.


Either BN (Carrier Booking Number) or BM (Bill of Lading Number) must be provided. Only one of
each type of reference may be provide per EQD.
```

Example:

```
RFF+BN:90300221
RFF+AOW:ABC00032016
RFF+BM:HLCUTYO160210995
```

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:** **Accepted Value(s):** BN Booking reference, carrier assigned; BM Bill of lading number; AOW Submitter's VGM transaction reference; MS Email address of the recipient for an email-acknowledgement			
1154	Reference identifier	C	an..70	O
	Description: Identifies a reference.			
1156	Document line identifier	C	an..6	X
	Description: To identify a line of a document.			
1056	Version identifier	C	an..9	X
	Description: To identify a version.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

MEA Measurements

Status: M Usage: M Min/Max: 1/1
Group: 5

up

Description:

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

Note:

```
A group specifying a packed container's gross mass, whether it is verified or not (yet) and
optionally the date/time when it was determined.
```

Example:

```
MEA+AAE+VGM+KGM:13319.5'
```

Tag	Element Name	Status	Type	Usage
6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3	M
	Description: Code qualifying the purpose of the measurement. **Note:** **Accepted Value(s):** AAE Measurement			

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:** **Accepted Value(s):** VGM Transport equipment verified gross mass (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..8	M
	Description: Code specifying the unit of measurement. **Note:** **Accepted Value(s):** KGM Kilograms LBR Pounds			
6314	Measure	C	an..18	O
	Description: To specify the value of a measurement.			
6162	Range minimum quantity	C	n..18	X
	Description: To specify the minimum value of a range.			
6152	Range maximum quantity	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.			

DTM Date/Time/Period

Status: C Usage: O Min/Max: 0/9
Group: 5

up

Description:

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

Note:

```
Date and time when gross mass was determined. In case of re-determining VGM, transmission this
segment may be used to identify its latest version.
```

Example:

```
DTM+798:201606211455?+02:303'
```

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:** **Accepted Value(s):** 798 Verified gross mass determination date/time			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period. **Note:** **Accepted Value(s):** 102 Format: CCYYMMDD TimeZone: UTC 203 Format: CCYYMMDDHHMM TimeZone: UTC 205 Format: CCYYMMDDHHMMZHHMM TimeZone: local Timezone 303 Format: CCYYMMDDHHMMZZZ TimeZone: "ZZZ" defines difference to UTC (+01)			

DOC Document/Message Details

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

up

Description:

To identify documents and details directly related to it.

Note:

```
Group7 specifying documentation related to SOLAS gross mass verification of a packed container.


Specify type of SOLAS VGM documentation and a unique reference:

      - Documentation about party responsible to obtain VGM (shipper)
      - Documentation about ascertainment of VGM according method 1
      - Documentation about ascertainment of VGM according method 2
      - Reference to VGM documention
```

Example:

```
DOC+SHP:VGM:306'
```

Tag	Element Name	Status	Type	Usage
C002	**DOCUMENT/MESSAGE NAME**	**M**		**M**
	Description: Identification of a type of document/message by code or name. Code preferred.			
1001	Document name code	C	an..3	O
	Description: Code specifying the document name. **Note:** - SHP - Responsibilty to obtain verified gross mass ("shipper") - SM1 - Certificate for ascertainment of VGM according to method 1 - SM2 - Certificate for ascertainment of VGM according to method 2 **Accepted Value(s):** SHP Party responsible for verification of container gross mass; DRF Reference to container's SOLAS VGM documentation; SM1 SOLAS verification method 1; SM2 SOLAS verification method 2			
1131	Code list identification code	C	an..17	O
	Description: Code identifying a user or association maintained code list. **Note:** **Accepted Value(s):** VGM Verified gross mass information			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list. **Note:** **Accepted Value(s):** 306 SMDG (Ship-planning Message Design Group)			
1000	Document name	C	an..35	X
	Description: Name of a document.			

C503	DOCUMENT/MESSAGE DETAILS	C		O
	Description: Identification of document/message by number, status, source and/or language.			
1004	Document identifier	C	an..70	O
	Description: To identify a document. **Note:** `Unique identifaction of documentation`			
1373	Document status code	C	an..3	X
	Description: Code specifying the status of a document.			
1366	Document source description	C	an..70	X
	Description: Free form description of the source of a document.			
3453	Language name code	C	an..3	X
	Description: Code specifying the language name.			
1056	Version identifier	C	an..9	X
	Description: To identify a version.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			
3153	COMMUNICATION MEDIUM TYPE CODE	C	an..3	X
	Description: Code specifying the type of communication medium.			
1220	DOCUMENT COPIES REQUIRED QUANTITY	C	n..2	X
	Description: Quantity of document copies required.			
1218	DOCUMENT ORIGINALS REQUIRED QUANTITY	C	n..2	X
	Description: Quantity of document originals required.			

DTM Date/Time/Period

Status: C Usage: O Min/Max: 0/9
Group: 7

up

Description:

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

Note:

```
Date/Time when the Verified Gross Mass was determined or Date/Time when the
document/certificate was issued
```

Example:

```
DTM+798:201511211455:203'
```

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:** **Accepted Value(s):** 225 Certification of weight date/time; 798 Verified gross mass determination date/time			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period. **Note:** **Accepted Value(s):** 102 Format: CCYYMMDD TimeZone: UTC; 203 Format: CCYYMMDDHHMM TimeZone: UTC; 205 Format: CCYYMMDDHHMMZHHMM TimeZone: local Timezone; 303 Format: CCYYMMDDHHMMZZZ TimeZone: "ZZZ" defines difference to UTC (+01)			

NAD Name and Address

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

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:

```
Name/address data transmitted in this segment depend on function code

      - AM - data about party authorized to sign a document
      - SPC - data about company responsible to verify gross mass according to SOLAS
      regulations


Only NAD+SPC and NAD+AM will be processed. All other NAD qualifiers will be ignored.
```

Example:

```
NAD+SPC+800372::86++RESPONSIBLE PARTY NAME+STREET AND NUMBER+CITY+NJ+07281+US'
NAD+AM+22334::86++PARTY OF AUTHORIZED PERSON TO DETERMINE THE VGM+STREET AND
NUMBER+CITY+NJ+07281+US'
```

Tag	Element Name	Status	Type	Usage
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M
	Description: Code giving specific meaning to a party. **Note:** SPC (Responsible Party) is required. If signature is present and not associated with SPC (i.e. when authority to sign is delegated), AM (Authorized Official) party must be provided. Only one of each party type may be provided per EQD. **Accepted Value(s):** AM Authorized official; SPC SOLAS verified gross mass responsible party			

C082	PARTY IDENTIFICATION DETAILS	C		O
	Description: Identification of a transaction party by code.			
3039	Party identifier	M	an..35	M
	Description: Code specifying the identity of a party.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list. **Note:** **Accepted Value(s):** 86 Assigned by party originating the message; 87 Assigned by carrier			

C058	NAME AND ADDRESS	C		O
	Description: Unstructured name and address: one to five lines. **Note:** `Usage of this composite is deprecated. For transmission of name and address it is recommended to use C080 through 3207 instead.`			
3124	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..70	M
	Description: Name of a party.			
3036	Party name	C	an..70	O
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	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 SUBDIVISION DETAILS	C		O
	Description: To specify a country subdivision, such as state, canton, county, prefecture.			
3229	Country subdivision identifier	C	an..9	O
	Description: To identify a country subdivision, such as state, canton, county, prefecture.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3228	Country subdivision name	C	an..70	X
	Description: Name of a country subdivision, such as state, canton, county, prefecture.			

3251	POSTAL IDENTIFICATION CODE	C	an..17	O
	Description: Code specifying the postal zone or address.			
3207	COUNTRY IDENTIFIER	C	an..3	O
	Description: Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.			

CTA Contact Information

Status: M Usage: M Min/Max: 1/1
Group: 9

up

Description:

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

Note:

```
Only one CTA+RP occurrence per Container is allowed. This CTA+RP must be beneath NAD+SPC XOR
NAD+AM
```

Example:

```
CTA+RP+:JOHN ADAMS'
```

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:** **Accepted Value(s):** RP Authorized responsible person			

C056	CONTACT DETAILS	C		O
	Description: Code and/or name of a contact such as a department or employee. Code preferred.			
3413	Contact identifier	C	an..17	O
	Description: To identify a contact, such as a department or employee.			
3412	Contact name	C	an..256	O
	Description: Name of a contact, such as a department or employee. **Note:** Person's first name and surname in capital letters is mandatory			

COM Communication Contact

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

up

Description:

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

Example:

```
COM+309 229 8828: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.				
3155	Communication means type code	M	an..3		M
	Description: Code specifying the type of communication address. **Note:** **Accepted Value(s):** EM Electronic mail MA Mail FX Telefax EI EDI transmission TE Telephone AL Cellular phone AM International telephone direct line				

UNT Message Trailer

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

up

Description:

To end and check the completeness of a message.

Example:

```
UNT+13+100'
```

Tag	Element Name	Status	Type	Usage
0074	NUMBER OF SEGMENTS IN A MESSAGE	M	n..6	M
	Description: Control count of number of segments in a message.Notes:1. Control count including UNH and UNT.			
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
	Description: Unique message reference assigned by the sender.Notes:1. Shall be identical in UNH and UNT.			

UNZ Interchange Trailer

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

up

Description:

To end and check the completeness of an interchange.

Example:

```
UNZ+1+100'
```

Tag	Element Name	Status	Type	Usage
0036	INTERCHANGE CONTROL COUNT	M	n..6	M
	Description: The count either of the number of messages or, if used, of the number of functional groups in an interchange. One of these counts shall appear.			
0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M
	Description: Unique reference assigned by the sender to an interchange.Notes:1. Shall be identical in UNB and UNZ.			

Examples

1st Example: Minimal VERMAS - Only mandatory information

```
UNB+UNOC:3+SUBMITTER_ID:ZZZ+HLAG:ZZZ+160601:1430+100'
UNH+80+VERMAS:D:16A:UN'
BGM+749+8394887+9'
EQD+CN+HLCU1260179'
RFF+BN:90300221'
MEA+AAE+VGM+KGM:13319.5'
DOC+SHP'
NAD+SPC'
CTA+RP+:JOHN ADAMS'
UNT+6+100'
UNZ+1+100'
```

2nd Example: VERMAS (Shipper [SG8:NAD+SPC] -> Hapag-Lloyd)

```
UNB+UNOC:3+SUBMITTER_ID:ZZZ+HLAG:ZZZ+160601:1430+100'
UNH+80+VERMAS:D:16A:UN'
BGM+749+8394887+9'
DTM+137:201606011430:203'
EQD+CN+HLCU1260179:6346:5+22GP:6346:5+1'
RFF+BN:90300221'
MEA+AAE+VGM+KGM:13319.5'
DTM+798:201511211455:203'
DOC+SM1:VGM:306+ABC1234'
NAD+SPC+800372::86++RESPONSIBLE PARTY NAME+STREET AND
NUMBER+CITY+NJ+07281+US'
CTA+RP+:JOHN ADAMS'
COM+309 229 8828:TE'
UNT+9+100'
UNZ+1+100'
```

3rd Example: VERMAS (Shipper [SG8:NAD+SPC] -> Submitter [SG2:NAD+TB] -> Hapag-Lloyd)

```
UNB+UNOC:3+SUBMITTER_ID:ZZZ+HLAG:ZZZ+160601:1430+100'
UNH+80+VERMAS:D:16A:UN'
BGM+749+8394887+9'
DTM+137:201606011430:203
NAD+TB+810403::86++SUBMITTER NAME+STREET AND NUMBER+CITY+NJ+07281+US'
CTA+MS+:SUBMITTER CONTACT'
COM+390 498 3332:TE'
EQD+CN+HLCU1260179:6346:5+22GP:6346:5+1'
RFF+BN:90300221'
MEA+AAE+VGM+KGM:13319.5'
DTM+798:201511211455:203'
DOC+SM1:VGM:306+ABC1234'
NAD+SPC+800372::86++RESPONSIBLE PARTY NAME+STREET AND
NUMBER+CITY+NJ+07281+US'
CTA+RP+:JOHN ADAMS'
COM+309 229 8828:TE'
UNT+12+100'
UNZ+1+100'
```

4th Example: VERMAS (Shipper [SG8:NAD+SPC] and authorized person [SG8:NAD+AM] -> Submitter [SG2:NAD+TB] -> Hapag-Lloyd)

```
UNB+UNOC:3+SUBMITTER_ID:ZZZ+HLAG:ZZZ+160601:1430+100'
UNH+80+VERMAS:D:16A:UN'
BGM+749+8394887+9'
DTM+137:201606011430:203
NAD+TB+810403::86++SUBMITTER NAME+STREET AND NUMBER+CITY+NJ+07281+US'
CTA+MS+:SUBMITTER CONTACT'
COM+390 498 3332:TE'
EQD+CN+HLCU1260179:6346:5+22GP:6346:5+1'
RFF+BN:90300221'
MEA+AAE+VGM+KGM:13319.5'
DTM+798:201511211455:203'
DOC+SM2:VGM:306+ABC54321'
NAD+SPC+800372::86++RESPONSIBLE PARTY NAME+STREET AND
NUMBER+CITY+NJ+07281+US'
NAD+AM+22334::86++PARTY OF AUTHORIZED PERSON TO DETERMINE THE VGM+STREET
AND NUMBER+CITY+NJ+07281+US'
CTA+RP+:PETER SMITH'
COM+309 229 8828:TE'
UNT+13+100'
UNZ+1+100'
```