Message Implementation Guideline

VERMAS

Verified gross mass reporting

based on
UN D.24A

Version: v1.1
Date: 11.03.2026
SMDG

Source: SMDG – User Group for Shipping Lines and Container Terminals
Mail: secretariat@smdg.org
Web: www.smdg.org

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Functional definition

In relation to a supply chain including the transport of a packed container on an ocean vessel, the VERMAS message allows submitting the Verified Gross Mass of a packed container and supporting information, as legally required by the SOLAS Convention Chapter VI, Part A, Regulation 2.

- The message can be exchanged between any two parties in the maritime transport chain as per mutual agreement.
- The VERMAS is a small message for a clearly dedicated purpose. It shall only be used for transmission of the VGM as required by SOLAS and directly related information.
- The message will not be used for reporting of empty containers.
- The status for segment groups, segments, data elements, composites, components is given as:
  - Directory usage: M=Mandatory, C=Conditional
  - MIG usage: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used
- All dates&times are in the local timezone of the event location.

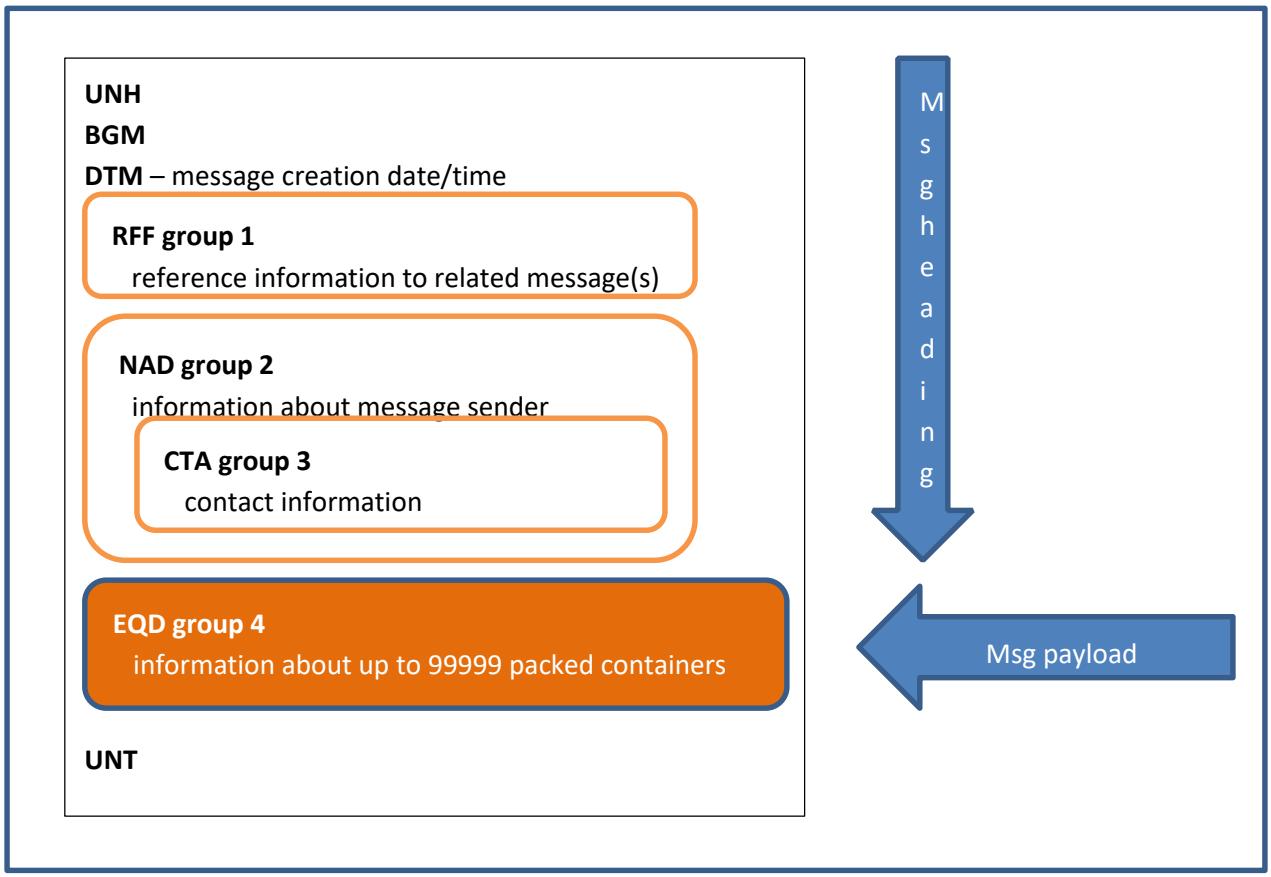
Changes to previous version

This version 1.1 contains change requests that were received at the SMDG since publication of the 1.0 version in 2016.

- Equipment Sequence Number added
  RFF+SQ added in SG4. It allows reporting of the sequence number of a container within a booking
- Export voyage number in TDT segment
  The TDT segment now contains the export voyage number.
  For reporting of the import voyage number, if needed, use RFF+VON in SG6
- Documentation streamlined: Introduction shortened
- Unused Elements/Composites at the end of segments omitted;
  Unused Elements/Composites within the segments still documented
- In TDT segment, for data element 3055 the code value 11 (Lloyds register of shipping) was replaced by code value 54 (IMO)
- For the SMDG implementation of the VERMAS EDIFACT message, the recommended (default) character set for international exchanges is Character Set C (UNOC). The use of any other character set requires prior bilateral agreement between the communicating parties.

VERMAS Message Structure

Message Overview



⇨ For each container one **EQD group 4** is transmitted:

EQD – container description by size-type and ID
RFF – booking reference(s)
LOC – locations in container's transport chain
SEL – seal number(s)

MEA group 5
gross mass, whether it is verified or not and optionally date/time when VGM was determined

TDT group 6
optional vessel/voyage information

DOC group 7
VGM documentation of various kind distinguished by DOC segment's qualifier

⇨ Information about VGM documentation of any kind is transmitted in **DOC group 7** elements

DOC –documentation function and ID
DTM –date/time when VGM was determined or when documentation was issued

NAD group 8
Name/address of party or responsible person

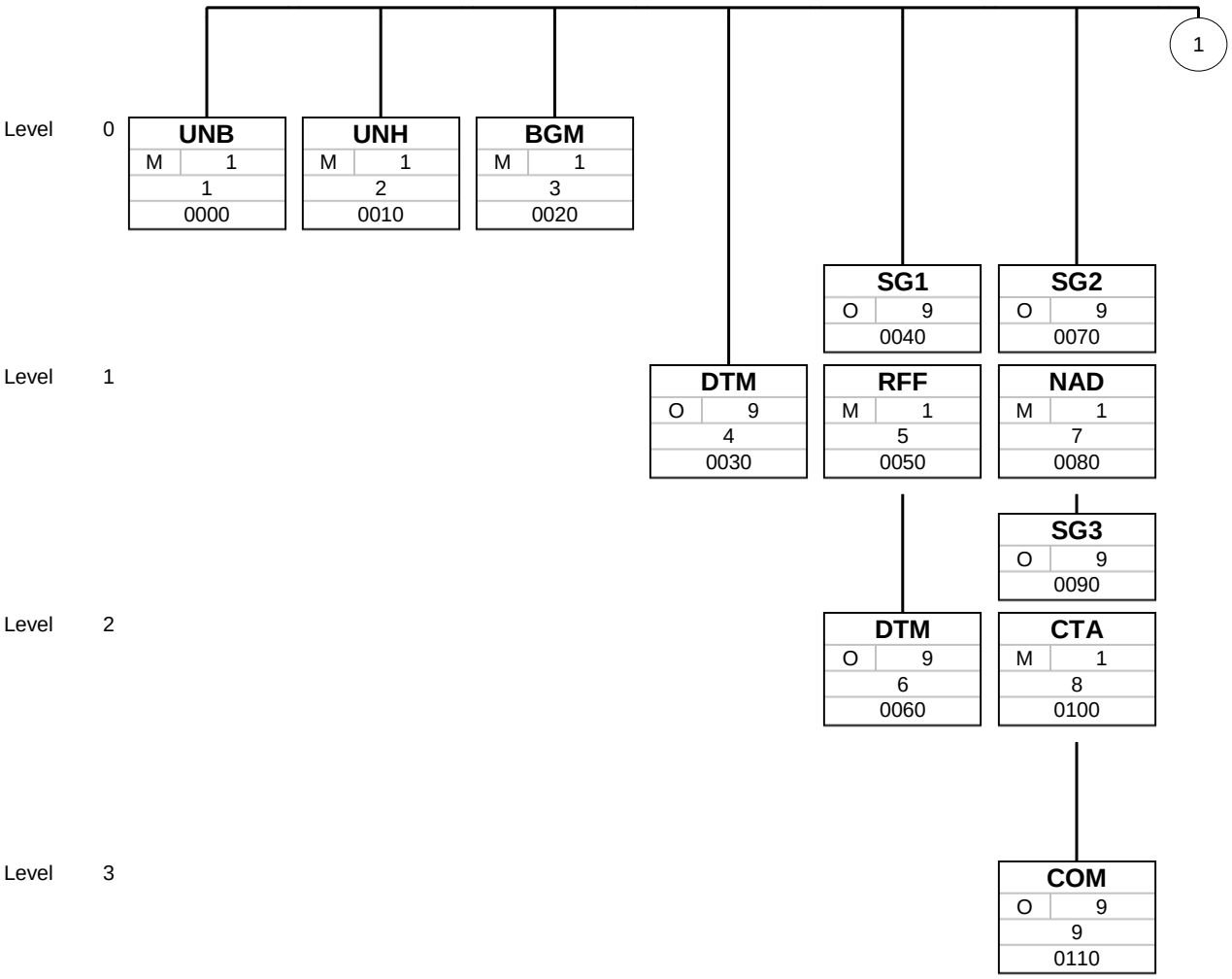
CTA group 9
contact information or signature

Structure / Table of Contents

Position	No	Tag	St	MaxOcc	Level	Content
0000	1	**UNB**	M	1	0	Interchange header
0010	2	**UNH**	M	1	0	Message header
0020	3	**BGM**	M	1	0	Beginning of message
0030	4	**DTM**	O	9	1	Date/time/period
0040		**SG1**	O	9	1	RFF-DTM
0050	5	**RFF**	M	1	1	Reference
0060	6	**DTM**	O	9	2	Date/time/period
0070		**SG2**	O	9	1	NAD-SG3
0080	7	**NAD**	M	1	1	Name and address
0090		**SG3**	O	9	2	CTA-COM
0100	8	**CTA**	M	1	2	Contact information
0110	9	**COM**	O	9	3	Communication contact
0120		**SG4**	R	99999	1	EQD-RFF-LOC-SEL-SG5-SG6-SG7
0130	10	**EQD**	M	1	1	Equipment details
0140	11	**RFF**	O	9	2	Reference
0150	12	**LOC**	O	9	2	Place/location identification
0160	13	**SEL**	O	99	2	Seal number
0170		**SG5**	R	9	2	MEA-DTM
0180	14	**MEA**	M	1	2	Measurements
0190	15	**DTM**	O	9	3	Date/time/period
0200		**SG6**	O	9	2	TDT-RFF
0210	16	**TDT**	M	1	2	Transport information
0220	17	**RFF**	O	9	3	Reference
0230		**SG7**	O	9	2	DOC-DTM-SG8
0240	18	**DOC**	M	1	2	Document/message details
0250	19	**DTM**	O	9	3	Date/time/period
0260		**SG8**	O	9	3	NAD-SG9
0270	20	**NAD**	M	1	3	Name and address
0280		**SG9**	O	9	4	CTA-COM
0290	21	**CTA**	M	1	4	Contact information
0300	22	**COM**	O	9	5	Communication contact
0310	23	**UNT**	M	1	0	Message trailer
0000	24	**UNZ**	M	1	0	Interchange trailer

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Branching Diagram of Used Segments/Groups



Tag
St MaxOcc
No
Counter

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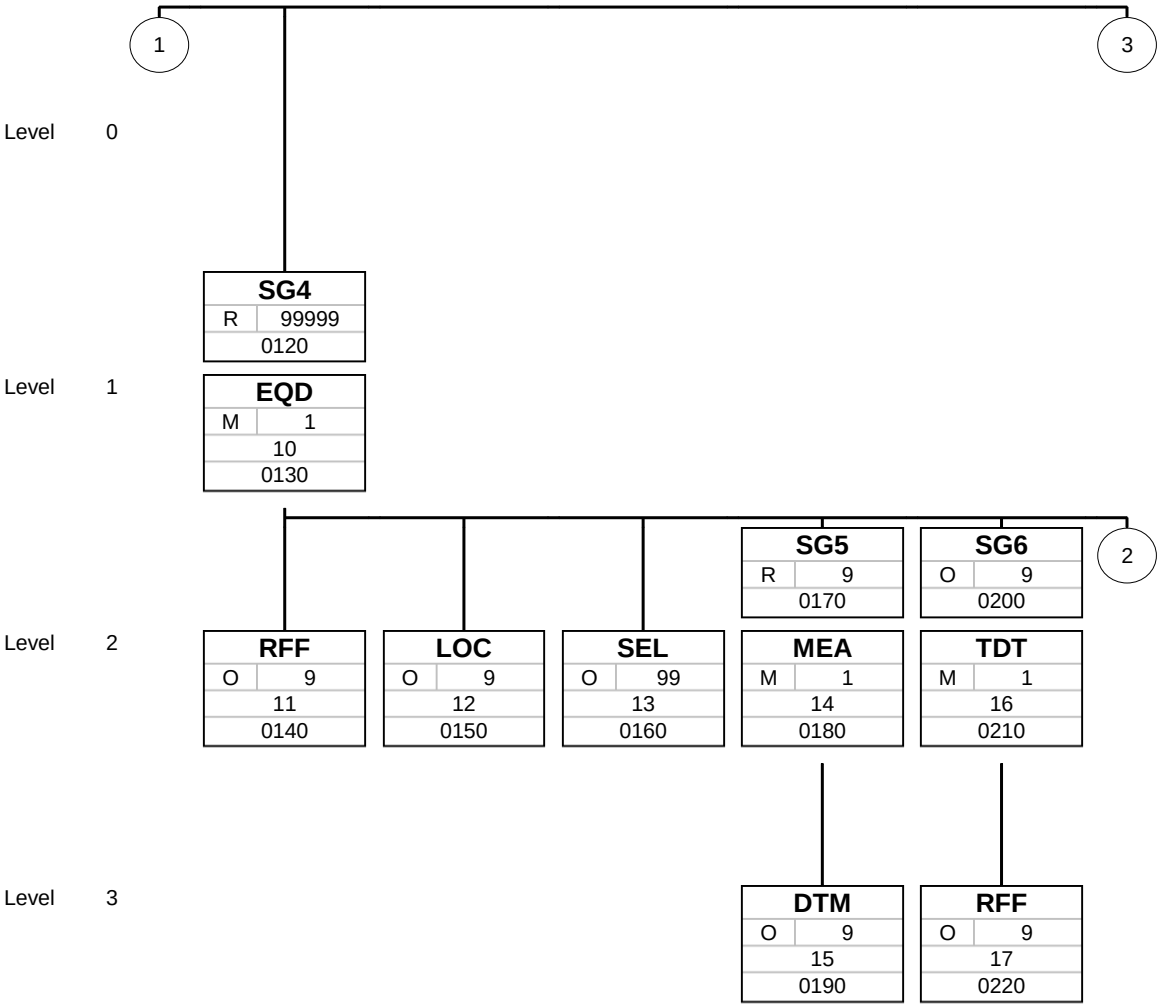

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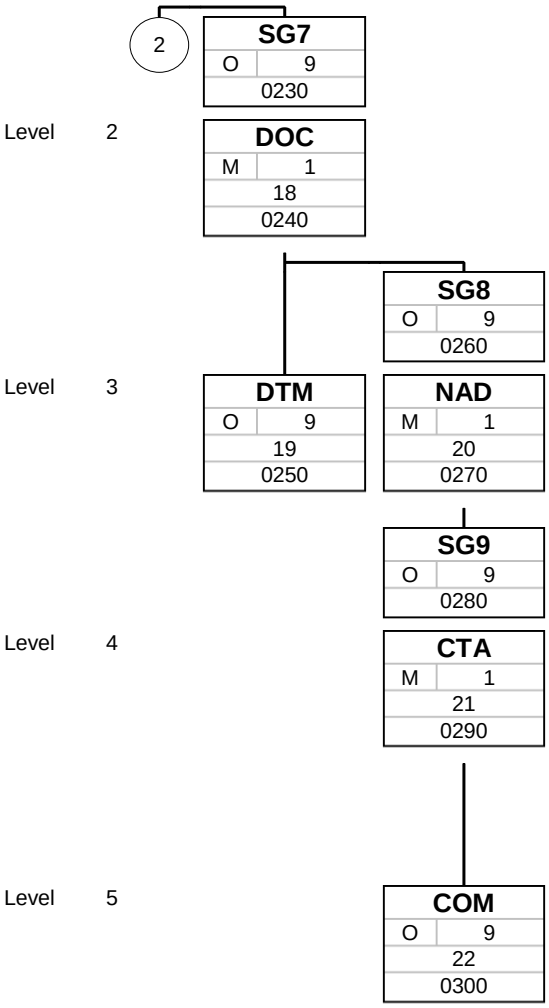

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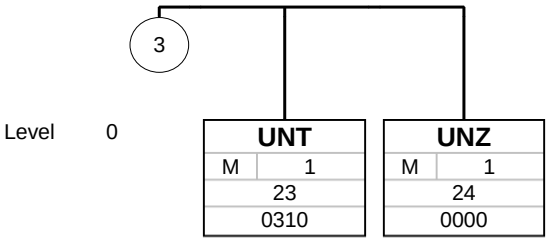

Tag	
St	MaxOcc
No	
Counter	

Tag = Segment/Group Tag
St = Status
MaxOcc = Maximum occurrence of the segment/group
No = Consecutive segment number
Counter = Counter of segment/group within the standard

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	**UNB**	M	1	0	**Interchange header**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
UNB						
S001	Syntax identifier	M		M		
0001	Syntax identifier	M	a4	M	a4	**UNOA = UN/ECE level A** **UNOB = UN/ECE level B** **UNOC = UN/ECE level C** **UNOD = UN/ECE level D** **UNOE = UN/ECE level E** **UNOF = UN/ECE level F** **UNOG = UN/ECE level G** **UNOH = UN/ECE level H** **UNOI = UN/ECE level I** **UNOJ = UN/ECE level J** **UNOK = UN/ECE level K** **UNOW = UN/ECE level W** **UNOX = UN/ECE level X** **UNOY = UN/ECE level Y**
0002	Syntax version number	M	an1	M	n1	**3 = Version 3**
0080	Service code list directory version number	C	an..6	N		Not used
0133	Character encoding, coded	C	an..3	N		Not used
0076	Syntax release number	C	an2	N		Not used
S002	Interchange sender	M		M		
0004	Interchange sender identification	M	an..35	M	an..35	
0007	Identification code qualifier	C	an..4	O	an..4	
0008	Interchange sender internal identification / S3: Address for reverse routing	C	an..35	O	an..35	
0042	Interchange sender internal sub-identification	C	an..35	N		Not used
S003	Interchange recipient	M		M		
0010	Interchange recipient identification	M	an..35	M	an..35	
0007	Identification code qualifier	C	an..4	O	an..4	
0014	Interchange recipient internal identification / S3: Address for reverse routing	C	an..35	O	an..35	
0046	Interchange recipient internal sub-identification	C	an..35	N		Not used
S004	Date and time of preparation	M		M		
0017	Date	M	n8	M	n8	
0019	Time	M	n4	M	n4	
0020	Interchange control reference	M	an..14	M	an..14	
S005	Recipient reference/password details	C		O		
0022	Recipient reference/password	M	an..14	M	an..14	
0025	Recipient reference/password qualifier	C	an2	O	an2	
0026	Application reference	C	an..14	O	an..14	

Counter = Counter of segment/group within the standard
No = Consecutive segment number
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MaxOcc = Maximum occurrence of the segment/group

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
0029	Processing priority code	C	a1	O	a1	
0031	Acknowledgement request	C	n1	O	n1	
0032	Interchange agreement identifier	C	an..35	O	an..35	
0035	Test indicator	C	n1	O	n1	

Purpose:
Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0010	2	**UNH**	M	1	0	**Message header**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
UNH						
0062	Message reference number	M	an..14	M	an..14	
S009	Message identifier	M		M		
0065	Message type	M	an..6	M	an..6	**VERMAS = Verified gross mass message**
0052	Message version number	M	an..3	M	an..3	**D = Draft version/UN/EDIFACT Directory**
0054	Message release number	M	an..3	M	an..3	**24A = Release 2024 - A**
0051	Controlling agency, coded	M	an..3	M	an..3	**UN = UN/CEFACT**
0057	Association assigned code	C	an..6	R	an..6	**SMDG11 = SMDG message version 1.1**

Purpose:
A service segment starting and uniquely identifying the message. The message type code for the Verified gross mass message is VERMAS.

Message design note(s):
Verified gross mass messages confirming to this document must contain the following data in segment UNH, composite S009:
Data element
0065 VERMAS
0052 D
0054 24A
0051 UN

Example:
UNH+123456789+VERMAS:D:24A:UN:SMDG11'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0020	3	**BGM**	M	1	0	**Beginning of message**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
BGM						
C002	Document/message name	C		R		
1001	Document name code	C	an..3	R	an..3	**749 = Transport equipment gross mass verification message**
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
1000	Document name	C	an..35	O	an..35	
C106	Document/message identification	C		O		
1004	Document identifier	C	an..70	R	an..70	
1056	Version identifier	C	an..9	N		Not used
1060	Revision identifier	C	an..6	N		Not used
1225	Message function code	C	an..3	R	an..3	**1 = Cancellation** **5 = Replace** **9 = Original**
4343	Response type code	C	an..3	N		Not used
1373	Document status code	C	an..3	O	an..3	

Purpose:
A segment to indicate the type and function of a message and to transmit the identifying number.
Example: BGM+749+98765432000+9'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0030	4	**DTM**	O	9	1	**Date/time/period**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
DTM						
C507	Date/time/period	M		M		
2005	Date or time or period function code qualifier	M	an..3	M	an..3	**137 = Document issue date time**
2380	Date or time or period text	C	an..35	R	an..35	
2379	Date or time or period format code	C	an..3	R	an..3	**203 = CCYYMMDDHHMM**

Purpose:
A segment to specify dates and times for the entire message including the date and time of the preparation of the message.
Example: DTM+137:202509231537:203'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0040		**SG1**	O	9	1	**RFF-DTM**
		A group of segments to specify references relating to the message and related dates and times.				
0050	5	**RFF**	M	1	1	**Reference**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
RFF						
C506	Reference	M		M		
1153	Reference code qualifier	M	an..3	M	an..3	**AAS** = **Transport contract document identifier** **ABE** = **Declarant's reference number** **ACW** = **Reference number to previous message** **AFB** = **Cargo manifest number** **AGO** = **Sender's reference to the original message** **SI** = **SID (Shipper's identifying number for shipment)**
1154	Reference identifier	C	an..70	R	an..70	

Purpose:
A segment to specify a reference which applies to the entire message, e.g. the reference to a previous message.
Example: RFF+SI:T-HL007543'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0040		**SG1**	O	9	1	**RFF-DTM**
		A group of segments to specify references relating to the message and related dates and times.				
0060	6	**DTM**	O	9	2	**Date/time/period**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
DTM						
C507	Date/time/period	M		M		
2005	Date or time or period function code qualifier	M	an..3	M	an..3	**171** = **Reference date/time**
2380	Date or time or period text	C	an..35	R	an..35	
2379	Date or time or period format code	C	an..3	R	an..3	**203** = **CCYYMMDDHHMM**

Purpose:
A segment to indicate dates and times related to the reference.
Example: DTM+171:202509160823:203'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0070		**SG2**	O	9	1	**NAD-SG3**
		A group of segments to identify a party for the entire message including the message sender and related contacts.				
0080	7	**NAD**	M	1	1	**Name and address**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
NAD						
3035	Party function code qualifier	M	an..3	M	an..3	**CA** = **Carrier** **CF** = **Container operator/lessee** **CZ** = **Consignor** **DEI** = **Means of transport operator** **FW** = **Freight forwarder** **GF** = **Slot charter party** **SPC** = **SOLAS verified gross mass responsible party** **TR** = **Terminal operator** **TB** = **Submitter** **WPA** = **Weighting party** The NAD in position 00080 refers to a name/address concerning the message transmission only. Name(s)/address(es) related to the VGM of a container, e.g. the identity of its SPC, have to be specified in the NAD segment in position 00270.
C082	Party identification details	C		O		Usage of this composite needs to be agreed be communication partners. If used then specification of the code list in data elements 1131 and/or 3055 is required.
3039	Party identifier	M	an..35	M	an..35	
1131	Code list identification code	C	an..17	O	an..17	**EORI** = **EORI number** **INTTRA** = **INTTRA ID** **LINES** = **SMDG master liner code list** **TAX** = **TAX ID** **TERMINALS** = **SMDG terminal code list**
3055	Code list responsible agency code	C	an..3	R	an..3	**7** = **CEFIC (Conseil Europeen des Federations de l'Industrie Chimique)** **9** = **GS1** **10** = **ODETTE** **16** = **US, D&B (Dun & Bradstreet Corporation)** **87** = **Assigned by carrier** **166** = **US, National Motor Freight Classification Association** **192** = **Shipper's association** **306** = **SMDG (Ship-planning Message Design Group)** **ZZZ** = **Mutually defined**
C058	Name and address	C		O		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	M	an..35	M	an..35	
3124	Name and address description	C	an..35	O	an..35	

Counter = Counter of segment/group within the standard
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MaxOcc = Maximum occurrence of the segment/group

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
3124	Name and address description	C	an..35	O	an..35	
3124	Name and address description	C	an..35	O	an..35	
3124	Name and address description	C	an..35	O	an..35	
C080	Party name	C		O		
3036	Party name	M	an..70	M	an..70	
3036	Party name	C	an..70	O	an..70	
3036	Party name	C	an..70	O	an..70	
3036	Party name	C	an..70	O	an..70	
3036	Party name	C	an..70	O	an..70	
3045	Party name format code	C	an..3	O	an..3	
C059	Street	C		O		
3042	Street and number or post office box identifier	M	an..256	M	an..256	
3042	Street and number or post office box identifier	C	an..256	O	an..256	
3042	Street and number or post office box identifier	C	an..256	O	an..256	
3042	Street and number or post office box identifier	C	an..256	O	an..256	
3164	City name	C	an..35	O	an..35	
C819	Country subdivision details	C		O		
3229	Country subdivision identifier	C	an..9	O	an..9	
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
3228	Country subdivision name	C	an..70	O	an..70	
3251	Postal identification code	C	an..17	O	an..17	
3207	Country identifier	C	an..3	O	an..3	

Purpose:
A segment to specify the name/address of the party and to identify the party role.

Message design note(s): 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+WPA+++QTW LTD+EAST STREET 107+MYTOWN++456A23+JP' (Message sent by weighing station)

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St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0090		**SG3**	O	9	2	**CTA-COM**
		A group of segments to identify a contact and its communications related to the party.				
0100	8	**CTA**	M	1	2	**Contact information**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
CTA						
3139	Contact function code	C	an..3	O	an..3	**BN** = **Certification contact** **CW** = **Confirmed with** **IC** = **Information contact** **MS** = **Message sender contact**
C056	Contact details	C		O		
3413	Contact identifier	C	an..17	O	an..17	
3412	Contact name	C	an..256	O	an..256	

Purpose:
A segment to identify a person or a department to whom communication should be directed.
Example: CTA+MS+ABC CORP.'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0090		**SG3**	O	9	2	**CTA-COM**
		A group of segments to identify a contact and its communications related to the party.				
0110	9	**COM**	O	9	3	**Communication contact**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
COM						
C076	Communication contact	M		M		
3148	Communication address identifier	M	an..512	M	an..512	
3155	Communication means type code	M	an..3	M	an..3	**AL** = **Cellular phone** **AM** = **International telephone direct line** **EI** = **EDI transmission** **EM** = **Electronic mail** **FX** = **Telefax** **MA** = **Mail** **TE** = **Telephone**

Purpose:
A segment to identify communication numbers or email addresses for a person or department to whom communication should be directed.
Example: COM+NAME@LINE.COM:EM'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0120		**SG4**	R	99999	1	**EQD-RFF-LOC-SEL-SG5-SG6-SG7**

A group of segments containing information about an individual piece of transport equipment.
Group transmitting VGM information about a container:
- identification and routing information
- gross mass (status verified or not)
- DOC group for documentation of VGM

0130	10	**EQD**	M	1	1	**Equipment details**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
EQD						
8053	Equipment type code qualifier	M	an..3	M	an..3	**CN = Container** Transmission of code "CN" is required in all use cases.
C237	Equipment identification	C		R		
8260	Equipment identifier	C	an..17	R	an..17	
1131	Code list identification code	C	an..17	O	an..17	**6346 = Container ID according to ISO 6346**
3055	Code list responsible agency code	C	an..3	O	an..3	**5 = ISO (International Organization for Standardization)**
3207	Country identifier	C	an..3	N		Not used
C224	Equipment size and type	C		O		
8155	Equipment size and type description code	C	an..10	O	an..10	For containerized equipment always use a 4-digt size type code according to ISO 6346.
1131	Code list identification code	C	an..17	O	an..17	**6346 = Container ID according to ISO 6346**
3055	Code list responsible agency code	C	an..3	O	an..3	**5 = ISO (International Organization for Standardization)**
8154	Equipment size and type description	C	an..35	O	an..35	
8077	Equipment supplier code	C	an..3	O	an..3	**1 = Shipper supplied** **2 = Carrier supplied**
8249	Equipment status code	C	an..3	O	an..3	
8169	Full or empty indicator code	C	an..3	O	an..3	**4 = Empty** **5 = Full**

Purpose:
Example: EQD+CN+SUDU1234569:6346:5+42G1:6346:5+2++5' (40' container of type 42G1)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0120		**SG4**	R	99999	1	**EQD-RFF-LOC-SEL-SG5-SG6-SG7**

A group of segments containing information about an individual piece of transport equipment.
Group transmitting VGM information about a container:
- identification and routing information
- gross mass (status verified or not)
- DOC group for documentation of VGM

0140	11	**RFF**	O	9	2	**Reference**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
RFF						
C506	Reference	M		M		
1153	Reference code qualifier	M	an..3	M	an..3	**ACD** = **Additional reference number** **ACE** = **Related document number** **AOG** = **Source document internal reference** **AOW** = **Transportation Control Number (TCN)** **BM** = **Bill of lading number** **BN** = **Consignment identifier, carrier assigned** **FF** = **Consignment identifier, freight forwarder assigned** **SI** = **SID (Shipper's identifying number for shipment)** **SQ** = **Equipment sequence number** **VOR** = **Transport equipment gross mass verification order reference**
1154	Reference identifier	C	an..70	R	an..70	

Purpose:
A segment to specify a reference to the transport equipment.

Message design note(s): This reference is intended to relate the transmitted VGM data to message recipient's internal business transactions.

Example:
RFF+BN:37N023' (booking number)
RFF+SI:US1603-2224' (shipper's internal reference)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0120		**SG4**	R	99999	1	**EQD-RFF-LOC-SEL-SG5-SG6-SG7**

A group of segments containing information about an individual piece of transport equipment.
Group transmitting VGM information about a container:
- identification and routing information
- gross mass (status verified or not)
- DOC group for documentation of VGM

0150	12	**LOC**	O	9	2	**Place/location identification**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
LOC						
3227	Location function code qualifier	M	an..3	M	an..3	**9** = **Place of loading** **11** = **Place of discharge** **13** = **Place of transhipment** **20** = **Place of ultimate destination of goods** **65** = **Final port or place of discharge** **76** = **Original port of loading** **84** = **Transport contract place of acceptance** **85** = **Transport contract place of destination** **88** = **Place of receipt**
C517	Location identification	C		R		
3225	Location identifier	C	an..35	O	an..35	UN/LOCODE of place specified in 3227.
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
3224	Location name	C	an..256	O	an..256	
C519	Related location one identification	C		O		terminal in port
3223	First related location identifier	C	an..35	O	an..35	
1131	Code list identification code	C	an..17	O	an..17	**TERMINALS** = **SMDG terminal code list**
3055	Code list responsible agency code	C	an..3	O	an..3	**306** = **SMDG (Ship-planning Message Design Group)**
3222	First related location name	C	an..70	O	an..70	

Purpose:
A segment to identify a place or a location related to the transport equipment.
The location where the VGM has been determined is NOT to be transmitted in this segment but in SG8 as part of NAD+WPA.

Note: The location where the VGM has been determined is NOT to be transmitted in this segment but in SG8 as part of NAD+WPA.

Message design note(s): Locations related to container's transport chain.

Example: LOC+9+NLRTM+RGW:TERMINALS:306:ROTTERDAM GATEWAY TERMINAL' (port of loading incl. terminal specification)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0120		**SG4**	R	99999	1	**EQD-RFF-LOC-SEL-SG5-SG6-SG7**

A group of segments containing information about an individual piece of transport equipment.
Group transmitting VGM information about a container:
- identification and routing information
- gross mass (status verified or not)
- DOC group for documentation of VGM

0160	13	**SEL**	O	99	2	**Seal number**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
SEL						
9308	Transport unit seal identifier	C	an..35	R	an..35	
C215	Seal issuer	C		O		
9303	Sealing party name code	C	an..3	O	an..3	**AA** = **Consolidator** **AB** = **Unknown** **AC** = **Quarantine agency** **CA** = **Carrier** **CU** = **Customs** **SH** = **Shipper** **TO** = **Terminal operator**
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
9302	Sealing party name	C	an..35	O	an..35	
4517	Seal condition code	C	an..3	O	an..3	**1** = **In right condition** **2** = **Damaged** **3** = **Missing** **4** = **Broken** **5** = **Faulty electronic seal**
C208	Identity number range	C		N		
7402	Object identifier	M	an..35	N		Not used
7402	Object identifier	C	an..35	N		Not used
4525	Seal type code	C	an..3	O	an..3	**1** = **Mechanical seal** **2** = **Electronic seal**

Purpose:
A segment to specify a seal number.

Message design note(s): The seal number(s) attached to the container at the time of VGM determination.

Example: SEL+987654321+SH' (shipper's seal)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0170		**SG5**	R	9	2	**MEA-DTM**
		A group of segments to specify the gross mass of transport equipment and date/time when it was determined. 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.				
0180	14	**MEA**	M	1	2	**Measurements**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
MEA						
6311	Measurement purpose code qualifier	M	an..3	M	an..3	**AAE** = **Measurement**
C502	Measurement details	C		R		In case the gross mass is not yet determined or its verification status is not known, code AET must be transmitted.
6313	Measured attribute code	C	an..3	R	an..3	**AET** = **Transport equipment gross weight** **VGM** = **Transport equipment verified gross mass (weight)**
6321	Measurement significance code	C	an..3	N		Not used
6155	Non-discrete measurement name code	C	an..17	N		Not used
6154	Non-discrete measurement name	C	an..70	N		Not used
C174	Value/range	C		R		
6411	Measurement unit code	C	an..8	R	an..8	**KGM** = **kilogram** **LBR** = **pound**
6314	Measure	C	an..18	R	an..18	

Purpose:
A segment to specify the gross mass (gross weight) of the transport equipment and to give indication of whether the gross mass has been verified, e.g. according to SOLAS regulations.

Example: MEA+AAE+VGM+KGM:21700' (Gross mass, verified)
MEA+AAE+AET+KGM:20000' (Gross mass, not verified)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0170		**SG5**	R	9	2	**MEA-DTM**

A group of segments to specify the gross mass of transport equipment and date/time when it was determined.
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.

0190	15	**DTM**	O	9	3	**Date/time/period**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
DTM						
C507	Date/time/period	M		M		
2005	Date or time or period function code qualifier	M	an..3	M	an..3	**798 = Verified gross mass determination date/time**
2380	Date or time or period text	C	an..35	R	an..35	
2379	Date or time or period format code	C	an..3	R	an..3	**102 = CCYYMMDD** **203 = CCYYMMDDHHMM**

Purpose:
A segment to specify date and/or time when the gross mass was determined.

Message design note(s): Date and/or time when gross mass was determined.
Optionally to be used if more than one gross mass is to be transmitted. In case of re-determining VGM, transmission of this segment may be used to identify its latest version.

Example: DTM+798:202606251632:203'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0200		**SG6**	O	9	2	**TDT-RFF**
		A group transmitting vessel/voyage information allowing to relate the transmitted VGM data to message recipient's internal business transactions.				
0210	16	**TDT**	M	1	2	**Transport information**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
TDT						
8051	Transport stage code qualifier	M	an..3	M	an..3	**20** = **Main-carriage transport**
8028	Means of transport journey identifier	C	an..17	O	an..17	export/loading voyage number (for specification of import/ discharge voyage number use subsequent RFF segment)
C220	Mode of transport	C		O		
8067	Transport mode name code	C	an..3	R	an..3	**1** = **Maritime transport** code by UN/ECE recommendation 20
8066	Transport mode name	C	an..17	N		Not used
C001	Transport means	C		O		
8179	Transport means description code	C	an..8	O	an..8	
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
8178	Transport means description	C	an..17	O	an..17	
C040	Carrier	C		O		
3127	Carrier identifier	C	an..17	D	an..17	
1131	Code list identification code	C	an..17	O	an..17	**LINES** = **SMDG master liner code list**
3055	Code list responsible agency code	C	an..3	O	an..3	**306** = **SMDG (Ship-planning Message Design Group)**
3126	Carrier name	C	an..35	D	an..35	
8101	Transit direction indicator code	C	an..3	N		Not used
C401	Excess transportation information	C		N		
8457	Excess transportation reason code	M	an..3	N		Not used
8459	Excess transportation responsibility code	M	an..3	N		Not used
7130	Customer shipment authorisation identifier	C	an..17	N		Not used
C222	Transport identification	C		O		
8213	Transport means identification name identifier	C	an..35	O	an..35	
1131	Code list identification code	C	an..17	O	an..17	**CALLSIGN** = **vessel callsign** **IMO** = **IMO number**
3055	Code list responsible agency code	C	an..3	O	an..3	**296** = **ITU (International Telecommunication Union)** **54** = **IMO (International Maritime Organisation)**
8212	Transport means identification name	C	an..70	O	an..70	
8453	Transport means nationality code	C	an..3	O	an..3	
8281	Transport means ownership indicator code	C	an..3	N		Not used
C003	Power type	C		N		

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
7041	Power type code	C	an..3	N		Not used
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
7040	Power type description	C	an..17	N		Not used
C290	Transport service	C		O		
8462	Transport service identification code	C	an..17	O	an..17	
1131	Code list identification code	C	an..17	N		Not used
3055	Code list responsible agency code	C	an..3	N		Not used
8463	Transport service name	C	an..35	O	an..35	

Purpose:

Message design note(s):	To specify information regarding the transport such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.
Example:	TDT+20+123E45+++HLC:LINES:306+++9501344::54:BASLE EXPRESS' (IMO number) TDT+20+123E45+++HLC:LINES:306+++DFGN2::296:BASLE EXPRESS' (call sign)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0200		**SG6**	O	9	2	**TDT-RFF**
		A group transmitting vessel/voyage information allowing to relate the transmitted VGM data to message recipient's internal business transactions.				
0220	17	**RFF**	O	9	3	**Reference**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
RFF						
C506	Reference	M		M		
1153	Reference code qualifier	M	an..3	M	an..3	**VON = Voyage number** import/discharge voyage number (for specification of export/ loading voyage number use D8023 in preceding TDT segment)
1154	Reference identifier	C	an..70	R	an..70	

Purpose:
A segment to specify a reference relating to the transport, such as an additional voyage reference number.
Example: RFF+VON:124W51'

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**SG7**	O	9	2	**DOC-DTM-SG8**
		Group specifying documentation related to SOLAS gross mass verification of a packed container.				
0240	18	**DOC**	M	1	2	**Document/message details**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
DOC						
C002	Document/message name	M		M		
1001	Document name code	C	an..3	R	an..3	**DRF = Documentation of gross mass verification** **SHP = Party responsible for verification of gross mass** **SM1 = SOLAS verification method 1** **SM2 = SOLAS verification method 2** DRF - Reference to container's SOLAS VGM documentation SHP - Responsibility to provide verified gross mass ("SOLAS shipper") - see (1) SM1 - Certificate for determination of VGM according to method 1 SM2 - Certificate for determination of VGM according to method 2 --- DRF - NAD group specifies source of documentation SHP - NAD group specifies VGM responsible party and authorized person SM1 - NAD group specifies party and optionally further details SM2 - NAD group specifies party and optionally further details --- (1) definition of "SOLAS shipper" in IMO-Guidelines MSC. 1/Circ.1475 §2.1.12: Shipper means a legal entity or person named on the bill of lading or sea waybill or equivalent multimodal transport document (e.g. "through" bill of lading) as shipper and/or who (or in whose name or on whose behalf) a contract of carriage has been concluded with a shipping company. In business practice this may be a "beneficial cargo owner (BCO)" or a "freight forwarder" or a "non vessel operating carrier (NVOCC)".
1131	Code list identification code	C	an..17	R	an..17	**VGM = Verified Gross Mass Information**
3055	Code list responsible agency code	C	an..3	R	an..3	**306 = SMDG (Ship-planning Message Design Group)**
1000	Document name	C	an..35	O	an..35	
C503	Document/message details	C		D		Dependency note: - required if C002.1001 = DRF - otherwise it is recommended to transmit the documentation ID (if available)
1004	Document identifier	C	an..70	R	an..70	Unique identification of documentation: - in case C002.1001 = SHP, SM1, SM2 define ID for reference

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
						- in case C002.1001 = DRF refer to documentation with ID
1373	Document status code	C	an..3	O	an..3	
1366	Document source description	C	an..70	O	an..70	
3453	Language name code	C	an..3	O	an..3	
1056	Version identifier	C	an..9	O	an..9	
1060	Revision identifier	C	an..6	O	an..6	

Purpose:
A segment to specify the type and identification of documentation.

Message design note(s):
Specify type of SOLAS VGM documentation and a unique reference:

-- Declaration of the VGM from the responsible party (SOLAS shipper)
-- Documentation about determination of VGM according method 1
-- Documentation about determination of VGM according method 2
-- Reference to VGM documentation

Example:

DOC+SHP:VGM:306+27G92ZZ' (documentation regarding shipper with ID=27G92ZZ)
DOC+SM1:VGM:306+W42-23110812' (documentation with regard to method 1)
DOC+SM2:VGM:306+QCT000784' (documentation with regard to method 2)
DOC+DRF:VGM:306+KJH1607-782' (reference to documentation)

Counter	No	Tag	St	MaxOcc	Level	Name
0230		**SG7**	O	9	2	**DOC-DTM-SG8**
		Group specifying documentation related to SOLAS gross mass verification of a packed container.				
0250	19	**DTM**	O	9	3	**Date/time/period**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
DTM						
C507	Date/time/period	M		M		
2005	Date or time or period function code qualifier	M	an..3	M	an..3	**137** = **Document issue date time** **798** = **Verified gross mass determination date/time**
2380	Date or time or period text	C	an..35	R	an..35	
2379	Date or time or period format code	C	an..3	R	an..3	**102** = **CCYYMMDD** **203** = **CCYYMMDDHHMM**

Purpose:
A segment to specify date and/or time related to the documentation.

Message design note(s): Date/Time when the Verified Gross Mass reported in the current document was determined respectively Date/Time when the document/certificate was issued

Example: DTM+137:202606270809:203'

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0260		**SG8**	O	9	3	**NAD-SG9**

A group of segments to qualify and specify name and address information to the documentation.
Group for specification of
a) the party responsible of SOLAS verified gross mass declaration (SOLAS' shipper)
b) the person authorized to sign VGM documents
c) the weighing party for the method specified in DOC segment
d) the party to be referred to for inquiry of a document
e) the party which had ordered weighing at terminal or weighing station

0270	20	**NAD**	M	1	3	**Name and address**

		Standard		Implementation	
Tag	Name	St	Format	St	Format	Usage / Remark
NAD						
3035	Party function code qualifier	M	an..3	M	an..3	**AM** = **Authorized official** **CA** = **Carrier** **CZ** = **Consignor** **FW** = **Freight forwarder** **OB** = **Ordered by** **SPC** = **SOLAS verified gross mass responsible party** **WC** = **Information reference agency** **WPA** = **Weighting party** --- AM - person (individual) authorized to sign a document OB - party which ordered weighing at terminal or weighing station SPC - party responsible for determination of the VGM (in SOLAS named "shipper of packed container") WC - party holding documentation according to SOLAS VGM regulations WPA - party which has determined gross mass according to SOLAS method 1 or 2
C082	Party identification details	C		O		Usage of this composite needs to be agreed be communication partners. If used then specification of the code list in data elements 1131 and/or 3055 is required. Example: ID::9 --- GS1 ID ID::16 --- Duns ID ID:EORI:ZZZ --- EORI ID ID:INTTRA:ZZZ -- INTTRA ID ID:TAX:ZZZ -- tax ID
3039	Party identifier	M	an..35	M	an..35	
1131	Code list identification code	C	an..17	D	an..17	**EORI** = **EORI number** **INTTRA** = **INTTRA ID** **TAX** = **TAX ID** Usage of this data element is required if C082.3055 is transmitted as ZZZ.
3055	Code list responsible agency code	C	an..3	R	an..3	**9** = **GS1** **16** = **US, D&B (Dun & Bradstreet Corporation)** **ZZZ** = **Mutually defined**
C058	Name and address	C		O		Usage of this composite is deprecated. For transmission of

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
						name and address it is recommended to use C080 through 3207 instead.
3124	Name and address description	M	an..35	M	an..35	
3124	Name and address description	C	an..35	O	an..35	
3124	Name and address description	C	an..35	O	an..35	
3124	Name and address description	C	an..35	O	an..35	
3124	Name and address description	C	an..35	O	an..35	
C080	Party name	C		C		
3036	Party name	M	an..70	M	an..70	
3036	Party name	C	an..70	O	an..70	
3036	Party name	C	an..70	O	an..70	
3036	Party name	C	an..70	O	an..70	
3036	Party name	C	an..70	O	an..70	
3045	Party name format code	C	an..3	O	an..3	
C059	Street	C		O		
3042	Street and number or post office box identifier	M	an..256	M	an..256	
3042	Street and number or post office box identifier	C	an..256	O	an..256	
3042	Street and number or post office box identifier	C	an..256	O	an..256	
3042	Street and number or post office box identifier	C	an..256	O	an..256	
3164	City name	C	an..35	O	an..35	
C819	Country subdivision details	C		O		
3229	Country subdivision identifier	C	an..9	O	an..9	
1131	Code list identification code	C	an..17	O	an..17	
3055	Code list responsible agency code	C	an..3	O	an..3	
3228	Country subdivision name	C	an..70	O	an..70	
3251	Postal identification code	C	an..17	O	an..17	
3207	Country identifier	C	an..3	D	an..3	Dependency: In some business cases it might be required to specify the country under whose legislation the determination of the verified gross mass has taken place.

Purpose:
A segment to specify the function and name/address of an organization or an individual.
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.

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.

Message design note(s): Name/address data transmitted in this segment depend on function code
SPC - data about company responsible to verify gross mass according to SOLAS regulations
AM - data about person (individual) authorized to sign a document - Dependent on the business case, this person does not necessarily belong to the company specified by SPC.
WPA - data about company which actually has determined VGM
WC - data about company holding documentation according SOLAS VGM regulations
OB - data about the party which ordered weighing at terminal or weighing station

Communication details for the specified company/person can be transmitted in the subsequent CTA group.

Example: NAD+SPC+++BEST FRUIT LTD.+LONG STREET 987:P.O. BOX 321123+NEW YORK CITY++10007+US'
(The company acting as party responsible for declaration of VGM)

NAD+AM+++PETER SMITH:BEST FRUIT LTD.+LONG STREET 987:P.O. BOX 321123+NEW YORK

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

CITY++10007+US'
(The person authorized to sign the VGM declaration)

NAD+WPA+++A2 WEIGHT LTD+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'
(The party which has determined the VGM including the country under whose legislation it took place)

NAD+WC+++HL ASIA+B3 STREET 21:PO BOX 3000+SINGAPORE++6159+SG'
(The party holding VGM documentation, as part of shipping documents)

NAD+OB+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE'
(The party which has ordered weighing at terminal or weighing station)

Counter	No	Tag	St	MaxOcc	Level	Name
0280		**SG9**	O	9	4	**CTA-COM**

A group of segments to identify a person or a department to whom communication should be directed.
Group for specification of
- contact information and/or signature of a responsible person
- communication contact for party or person

CTA segment with qualifier RP:
- signature

CTA segment with qualifier BN:
- party or person name

COM segment:
- phone, fax, email or physical address of party or person

0290	21	**CTA**	M	1	4	**Contact information**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
CTA						
3139	Contact function code	C	an..3	R	an..3	**BN = Certification contact** **RP = Authorized responsible person**
C056	Contact details	C		D		Required if 3139=RP
3413	Contact identifier	C	an..17	O	an..17	
3412	Contact name	C	an..256	D	an..256	In case 3139=RP this data element is interpreted as signature (name of responsible person in capital letters).

Purpose:
A segment to specify the function and details of a contact person or department.

Message design note(s): With function code RP the segment is used for transmission of a signature (person's name in capital letters).

Example: CTA+RP+:PETER J. SMITH' (signature by name in capital letters)
CTA+BN' (communication contact with details in subsequent COM segment)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0280		**SG9**	O	9	4	**CTA-COM**

A group of segments to identify a person or a department to whom communication should be directed.
Group for specification of
- contact information and/or signature of a responsible person
- communication contact for party or person

CTA segment with qualifier RP:
- signature

CTA segment with qualifier BN:
- party or person name

COM segment:
- phone, fax, email or physical address of party or person

0300	22	**COM**	O	9	5	**Communication contact**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
COM						
C076	Communication contact	M		M		
3148	Communication address identifier	M	an..512	M	an..512	
3155	Communication means type code	M	an..3	M	an..3	**AL** = **Cellular phone** **AM** = **International telephone direct line** **EI** = **EDI transmission** **EM** = **Electronic mail** **FX** = **Telefax** **MA** = **Mail** **TE** = **Telephone**

Purpose:
A segment to identify communication numbers or email addresses for a person or department to whom communication should be directed.

Message design note(s): Contact address for party or person (according to function qualifier in current CTA group)

Example: COM+0019731234567:TE' (phone number)
COM+DISPATCH@MODERN-FOOTWEAR.COM:EM' (email address)

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0310	23	**UNT**	M	1	0	**Message trailer**

		Standard		Implementation		
Tag	Name	St	Format	St	Format	Usage / Remark
UNT						
0074	Number of segments in a message	M	n..10	M	n..10	
0062	Message reference number	M	an..14	M	an..14	

Purpose:
A service segment ending a message, giving the total number of segments in the message (including UNH and UNT) and the control reference number of the message.
Example:

Counter = Counter of segment/group within the standard
No = Consecutive segment number
St = Status
MaxOcc = Maximum occurrence of the segment/group

Counter	No	Tag	St	MaxOcc	Level	Name
0000	24	**UNZ**	M	1	0	**Interchange trailer**

		Standard		Implementation	
Tag	Name	St Format	St	Format	Usage / Remark
UNZ					
0036	Interchange control count	M n..6	M	n..6	
0020	Interchange control reference	M an..14	M	an..14	

Purpose:
Example:

Generic Example Message

No	Tag	Example
02	**UNH**	`UNH+123456789+VERMAS:D:24A:UN:SMDG11'`
03	**BGM**	`BGM+749+98765432000+9'`
04	**DTM**	`DTM+137:202509231537:203'`
	SG1	
05	**RFF**	`RFF+SI:T-HL007543'`
06	**DTM**	`DTM+171:202509160823:203'`
	SG2	
07	**NAD**	`NAD+WPA+++QTW LTD+EAST STREET 107+MYTOWN++456A23+JP'` (Message sent by weighing station)
	SG3	
08	**CTA**	`CTA+MS+ABC CORP.'`
09	**COM**	`COM+NAME@LINE.COM:EM'`
	SG4	
10	**EQD**	`EQD+CN+SUDU1234569:6346:5+42G1:6346:5+2++5'` (40' container of type 42G1)
11	**RFF**	`RFF+BN:37N023'` (booking number) `RFF+SI:US1603-2224'` (shipper's internal reference)
12	**LOC**	`LOC+9+NLRTM+RGW:TERMINALS:306:ROTTERDAM GATEWAY TERMINAL'` (port of loading incl. terminal specification)
13	**SEL**	`SEL+987654321+SH'` (shipper's seal)
	SG5	
14	**MEA**	`MEA+AAE+VGM+KGM:21700'` (Gross mass, verified) `MEA+AAE+AET+KGM:20000'` (Gross mass, not verified)
15	**DTM**	`DTM+798:202606251632:203'`
	SG6	
16	**TDT**	`TDT+20+123E45+++HLC:LINES:306+++9501344::54:BASLE EXPRESS'` (IMO number) `TDT+20+123E45+++HLC:LINES:306+++DFGN2::296:BASLE EXPRESS'` (call sign)
17	**RFF**	`RFF+VON:124W51'`
	SG7	
18	**DOC**	`DOC+SHP:VGM:306+27G92ZZ'` (documentation regarding shipper with ID=27G92ZZ) `DOC+SM1:VGM:306+W42-23110812'` (documentation with regard to method 1) `DOC+SM2:VGM:306+QCT000784'` (documentation with regard to method 2) `DOC+DRF:VGM:306+KJH1607-782'` (reference to documentation)
19	**DTM**	`DTM+137:202606270809:203'`
	SG8	

No = Consecutive segment number

No	Tag	Example
20	**NAD**	NAD+SPC+++BEST FRUIT LTD.+LONG STREET 987:P.O. BOX 321123+NEW YORK CITY++10007+US' (The company acting as party responsible for declaration of VGM) NAD+AM+++PETER SMITH:BEST FRUIT LTD.+LONG STREET 987:P.O. BOX 321123+NEW YORK CITY++10007+US' (The person authorized to sign the VGM declaration) NAD+WPA+++A2 WEIGHT LTD+B2 STREET 10:PO BOX 2000+PERTH++6159+AU' (The party which has determined the VGM including the country under whose legislation it took place) NAD+WC+++HL ASIA+B3 STREET 21:PO BOX 3000+SINGAPORE++6159+SG' (The party holding VGM documentation, as part of shipping documents) NAD+OB+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE' (The party which has ordered weighing at terminal or weighing station)
	SG9	
21	**CTA**	CTA+RP+:PETER J. SMITH' (signature by name in capital letters) CTA+BN' (communication contact with details in subsequent COM segment)
22	**COM**	COM+0019731234567:TE' (phone number) COM+DISPATCH@MODERN-FOOTWEAR.COM:EM' (email address)

No = Consecutive segment number

Example 1: Shipper to carrier – minimum message content

VERMAS 1.1 message	Comment
UNB+UNOC:3+SENDER-ID+RECEIVER-ID+260131:1628+10125'	UNB: Beginning of Interchange
UNH+1+VERMAS:D:24A:UN:SMDG11'	UNH: Header of message
BGM+749+98765432000+9'	Document reference
DTM+137:202601311625:203'	Document creation date/time
NAD+CZ+++A1 GMBH+ABC STRASSE 5+HAMBURG+++DE'	Shipper (consignor)
EQD+CN+HLXU1234567:6346:5+42G1:6346:5+2++5'	Container ID
RFF+SI:A456C'	Shipper's shipment ID
RFF+BN:112233'	Carrier's booking number
MEA+AAE+VGM+KGM:21548.50'	Verified Gross Mass (VGM)
TDT+20+024W+1++HLC:LINES:306+++9501344::54:BASLE EXPRESS:DE'	Vessel, export voyage ID
DOC+SHP:VGM:306+A456C-VGM'	Declaration by shipper, with ID
NAD+SPC+++A1 GMBH+ABC STRASSE 5+HAMBURG++20457+DE'	Shipper's address
NAD+AM+++JOHN SMITH:A1 GMBH++HAMBURG++20457+DE'	Shipper's authorized person
CTA+RP+:JOHN SMITH'	Signature by auth. person
COM+JOHN.SMITH@A1GMBH.COM:EM'	Email addr. of auth. person
DOC+SM1:VGM:306+A456C-SM1'	VGM method 1 cert. with ID
DTM+798:202601311622:203'	VGM determination date/time
NAD+WPA++++++++DE'	Weighting legislation country
UNT+18+1'	UNT: Trailer of message
UNZ+1+10125'	UNZ: End of Interchange

Example 2: Shipper to carrier – full message content

VERMAS 1.1 message	Comment
UNB+UNOC:3+SENDER-ID+RECEIVER-ID+260219:1552+38273'	UNB: Beginning of Interchange
UNH+1+VERMAS:D:24A:UN:SMDG11'	UNH: Header of message
BGM+749+98765432ABC+9'	Document reference
DTM+137:202602191548:203'	Document creation date/time
NAD+CZ+816265:INTTRA:ZZZ'	Shipper (consignor), coded
EQD+CN+HLXU9876543:6346:5+42G1:6346:5+2++5'	Container ID and type
RFF+BN:AB123456'	Booking number
RFF+SI:Y789Z'	Shipper's shipment ID
LOC+85+PHSJI'	Cargo final destination
LOC+9+DEHAM'	Port of loading
SEL+SEAL12345XYZ+SH'	Shipper's seal number
MEA+AAE+VGM+KGM:20162.50'	Verified gross mass (VGM)
DTM+798:202602191527:203'	VGM determination date/time
TDT+20+123E+1++HLC:LINES:306+++9501344::54:BASLE EXPRESS:DE'	Vessel, export voyage ID
RFF+VON:122W'	Import voyage ID
DOC+SHP:VGM:306+SHPREF-ID10000'	Shipper's VGM decl. with ID
NAD+SPC+++A1 GMBH+ABC STRASSE 5+HAMBURG++20457+DE'	Shipper's address
CTA+BN+VGM DEPT'	Shipper's VGM contact ref.
COM+VGM@A1GMBH.COM:EM'	E-mail address
COM+?+49-98-76543-0:TE'	Phone number
NAD+AM+++JOHN SMITH:A1 GMBH+ABC STRASSE 5+HAMBURG++20457+DE'	Shipper’s authorized person
CTA+RP+:JOHN SMITH'	Signature by auth. Person
DOC+SM2:VGM:306+SM2DOCREF-ID20000'	VGM method 2 cert. with ID
DTM+798:202602191527:203'	VGM determination date/time
DTM+137:202602191548:203'	VGM certification date/time
NAD+WPA+++A1 GMBH:VGM DEPT+ABC STRASSE 7+HAMBURG++20457+DE'	Weighting party
CTA+BN+:KARL SCHNEIDER'	Weighting party's cert. contact
COM+KARL.SCHNEIDER@A1GMBH.COM:EM'	Email contact
COM+?+49-98-76543-21:TE'	Phone contact
UNT+29+1'	UNT: Trailer of message
UNZ+1+38273'	UNZ: End of Interchange

Example 3: Carrier to terminal

VERMAS 1.1 message	Comment
UNB+UNOC:3+MAERSK+RTMRGW+260217:0947+32379'	UNB: Beginning of Interchange
UNH+288291+VERMAS:D:24A:UN:SMDG11'	UNH: Header of message
BGM+749+26A7225185+9'	Document reference
DTM+137:202602170946:203'	Document creation date/time
NAD+CA+MSK:LINES:306'	Carrier, coded
EQD+CN+TEMU7654321:6346:5+22G1:6346:5+2++5'	Container ID and type
RFF+BN:6RTM123456'	Booking number
LOC+9+NLRTM+RGW:TERMINALS:306:RTM WORLD GATEWAY'	Port of loading and terminal
LOC+11+JPUKB+RC45:TERMINALS:306:ROKKO ISLAND RC-4/5'	Port of discharge and terminal
SEL+ABCDEF030517+CA'	Carrier's seal number
MEA+AAE+VGM+KGM:21420.70'	Verified gross mass (VGM)
DTM+798:202602170943:203'	VGM determination date/time
TDT+20+058E+1++MSK:LINES:306+++9430363::54:SANTA ROSA:DK'	Vessel, export voyage ID
RFF+VON:057W'	Import voyage ID
DOC+SM2:VGM:306+REF1234567890'	VGM method 2 cert. with ID
DTM+798:202602170943:203'	VGM determination date/time
DTM+137:202602170946:203'	VGM certification date/time
NAD+WPA+++ORANJE TRANS+MOLENSTRAAT 9+ROTTERDAM++3010+NL'	Weighting party
CTA+BN+:JAN DE VRIES'	Weighting party's cert. contact
UNT+19+288291'	UNT: Trailer of message
UNZ+1+32379'	UNZ: End of Interchange