



USER MANUAL
(Implementation Guide)

UN/EDIFACT MESSAGE

VERMAS

Version 1.0

D.16A

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1 Introduction

This specification provides the definition of the Verified Gross Mass message (VERMAS) to be used in Electronic Data Interchange (EDI) between trading partners involved in administration, commerce and transport.

1.1 Structure of this document

Chapter 2 describes scope, fields of application and principles of the message. References to authors, maintainers and standards referred to in these guidelines are provided in chapter 3. It also lists changes compared to earlier versions of the message.

The formal description of the message is given in chapter 4. It includes an introduction into conventions used for description. Section 4.4 is intended as informal overview of the message structure and the usage of its components. Section 4.5 contains the reference to VERMAS message structure and its components. In section 4.6 is meant as additional clarification for the use of NAD segments for transmission of name and address information of the various parties and individuals involved in VGM documentation. Sections 4.7 and 4.7.1 provide notes about the transmission of signatures.

Chapter 5 finally provides guidelines and examples for special use cases related to typical business procedures.

The index at the end of the document provides reference to special topics within this MIG.



2 General

2.1 Scope

The Verified Gross Mass message may be used for both national and international applications.

The VERMAS message is typically exchanged between a shipper of goods for ocean transport, a forwarder, a non-vessel operating common carrier, an operator of a container weighing facility, a container terminal operator / stevedore, a vessel operator, a shipping line, the vessel's master, a container operator, a slot charterer.

It is based on universal practice related to monitoring the logistics transport chain and is not dependent on the type of business or industry.

2.2 Functional definition

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

VERMAS can be used by different parties at different times in the process chain. It is not dedicated to a particular process step in the transport chain.

VERMAS shall only be used for transmission of the SOLAS Verified Gross Mass and directly related information.

2.3 Field of application

The Verified Gross Mass message may be used for both national and international applications. It is based on universal practice related to administration, commerce and transport, and is not dependent on the type of business or industry.

2.4 Principles

- VERMAS incorporates information on the Verified Gross Mass (VGM) of a packed container, the time, place and method of determination of the VGM, the responsible parties, and references required by the receiver to assign the VGM to his transactions.
- The message is used to transmit information related to one or many containers belonging to a clearly defined transport from a shipper to a consignee.
- The message can be exchanged between any two parties in the maritime transport chain as per mutual agreement. The sender may have determined the Verified Gross Mass himself or he may forward a VGM received from a 3rd party. Each party in the transport chain can be a sender or a receiver of a VERMAS message.
- The definition of mandatory vs. optional information in paragraph 4 of this document refers to the technical EDIFACT syntax of the VERMAS message as laid down in the official directory. The business level of EDI communication, where sender and receiver agree on the required data elements, will be defined separately. Data elements marked as 'optional' in this



document may become compulsory in individual transmissions, depending on requirements by the receiver. The VERMAS covers different scenarios for different roles of sender and receiver. The information marked core in each use case in paragraph 5 may be considered as global guidance for required information.

- 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.
- It shall not be used as a handling order.
- The message will not be used for reporting of empty containers.
- The SOLAS Convention was ratified by and therefore applies to literally all sea going states worldwide. But at the time of developing the VERMAS message not all states have published their national legislation. Future legislations may result in additional reporting requirements that may lead to an enhanced message scope.

3 Document Maintenance

3.1 Authors and maintainers of this document

The data content of this document has been prepared and approved by SMDG and no alteration may be made to the content of this document without reference to and approval of SMDG.

Any remarks, questions, amendments or requested alterations to this document are to be addressed to:

SMDG

Email: secretariat@smdg.org

3.2 Standards referred to by this document

This message is based on *Edifact syntax* defined by [ISO 9735](#). *Message's structure, segment, data elements and composite data elements* are defined by UN/CEFACT directory D.16A.

Data transmission is preferably takes place in coded form. D.16A includes code lists (UNCL) for many of its data elements. Some data elements allow usage of standardized code lists defined by *code list responsible agencies (CLRA)*. This document refers to code lists standardized by

- UN/ECE recommendations: 16-UNLOCODES, 19 – modes of transport, 20 – units of measure
- ISO: ISO 6346 – container identification and size type
- Lloyds Register of Shipping: IMO numbers
- ITU: call sign
- WCO: Harmonized System
- IMO: IMDG Code
- SMDG: Code lists published on website <http://www.smdg.org>

3.3 Version history

Version numbering schema

- 1st number: Fundamental revision of message structure
- 2nd number: Major revision like reference to a different version of UN/EDIFACT directory or change of usage indicators
- 3rd number: Editorial changes of this document

3.3.1 Version 1.0

- Compliance with Edifact directory D.16A
- Editorial corrections and revisions (improvements) of use cases and examples.

3.3.2 Version 0.5

- Updated MIG definition in EDISIM part

3.3.3 Version 0.4

- Added sections providing an overview on message structure and usage of its elements.
- Added sections on signatures and how to transmit a signature without revealing party's identity.

3.3.4 Version 0.3

- Added introduction and scope
- Complete section Use Cases and Examples

3.3.5 Version 0.2

- 25th Oct. 2015
- No major changes, mainly improvements in description
- Overworking MIG document; sections adapted to VERMAS. Chapter "use case and examples" still to be overworked.

3.3.6 Version 0.1

- Initial version presented at 66th SMDG meeting in Malta.
- The MIG was rather a copy of the BAPLIE3.1 MIG, with only Edisim output replaced.

4 Message Description

4.1 Usage Indicators

This *Message Implementation Guide (MIG)* specifies usage indicators for the Edifact entities *segment*, *segment group*, *data element* and *composite data element* defined in this message. In this section the term *element* is used to refer to any of these Edifact entities. Usage indicators are defined on 2 levels

1. Directory: indicators *mandatory* and *conditional*
2. For conditional entities the MIG assigns refined indicators: *R –required*, *D - dependent*, *O - optional*, *X - not used*

M - mandatory

Element must be transmitted. This usage indicator is defined by dictionary and must not be overwritten by MIG.

C - conditional

According to dictionary not mandatory. Actual usage requirements of such elements are specified by MIG by indicators *required*, *dependent*, (*recommended*), *optional*, (*not recommended*) or *not used*.

R - required

MIG defines element must be transmitted – although marked *conditional* in directory.

D - dependent

If a certain condition is true, this element must be transmitted. Otherwise it is optional. The condition can be defined by data transmitted in other elements as well as by semantic context of the element.

O - optional

Transmission of this element depends on semantic context. The recipient shall be able to process the element.

X - not used

Element must not be transmitted.

In description of message structure and segments the relevant usage indicators of elements are **indicated in the leftmost column**.

4.2 Conventions used in this MIG

Section 4.5 Message implementation reference contains a comprehensive description of message's structure (sequence of segments and segment groups), the usage segments and segment groups as well as the usage of data elements and composite data elements. For directory defined code lists it lists the codes to be used in VERMAS.

In addition chapter 5 Special Use Cases and Examples explains usage of segments and data elements for selected cases and shows some illustrative example. All implementations of message VERMAS shall comply with the guidelines given in this chapter.

If section 4.5 Message Implementation Reference defines a usage indicator *dependent*, a note in segment's reference defines the kind of dependency. A dependency is called *semantic* if the reason is defined by the business case. In case dependency is based on data transmitted in other data element(s) these data elements are referred to by segment, segment's position in message structure, data element number (and where applicable composite data element number) as defined in the segment reference.

The following sections provide a lot of examples showing sequences of segments to be used. For better readability segments are shown in a separate line each. Edifact interchanges do not foresee line separation. Thus in an actual message segments are to be concatenated. Each segment's terminating character ` (apostrophe) is immediately to be followed by the first character of next segment's tag.



4.3 VERMAS as part of an Edifact Interchange

Any Edifact message is transmitted as part of an *interchange*. While, by definition, a message always starts with an **UNH** segment and ends with an **UNT** segment, the interchange creates an envelope around the message. Formally, the interchange allows for transmission of multiple messages as a bundle. However, in context of these guidelines we ignore this possibility and silently assume an interchange to contain one VERMAS message only.

The interchange encloses the VERMAS message between an **UNB** and **UNZ** segment. The leading service segment UNB defines basic properties of an interchange

- *Syntax level (syntax identifier)*. It defines the character set and structuring elements used for the interchange. SMDG recommends to use syntax level **UNOA**. (For definition of this character set see section 5.1 in document <http://www.gefeg.com/jswg/v3/data/v2-9735.pdf>) The use of any other syntax level requires explicit bilateral agreement between communication partners.
- *Syntax version*. SMDG recommends to use version **2**. Version 1 would not be compliant with current EDIFACT directories. Version 3 might be required for some of the syntax levels. Version 4 refers to major extensions of EDIFACT syntax which cannot be used with this version of VERMAS. (For a document summarizing differences in EDIFACT's syntax versions see http://www.gefeg.com/jswg/v4/data/v1234_diff.htm)

UNB furthermore contains information about sender, recipient, creation time, a unique interchange id and other information which might be useful for routing the interchange to the system processing the message.

The trailing UNZ segment contains a control count and terminates the interchange.

EDIFACT syntax optionally allows the UNB to be prepended by a service string advice **UNA**. SMDG recommends not to use UNA. Its use requires explicit agreement between sender and recipient.

In EDIFACT interchanges characters **+**, **:**, **'** and **?** have a reserved meaning. A special *release character* **"?"** has been defined to allow these characters to become part of payload data. Using this release function a source data string:

9'6 CONTAINERS: 7 + ?MORE

will have a release character inserted before each of the reserved characters:

9?'6 CONTAINERS?: 7 ?+ ??MORE

Message VERMAS requires this release function to be implemented for sending and processing of interchanges.

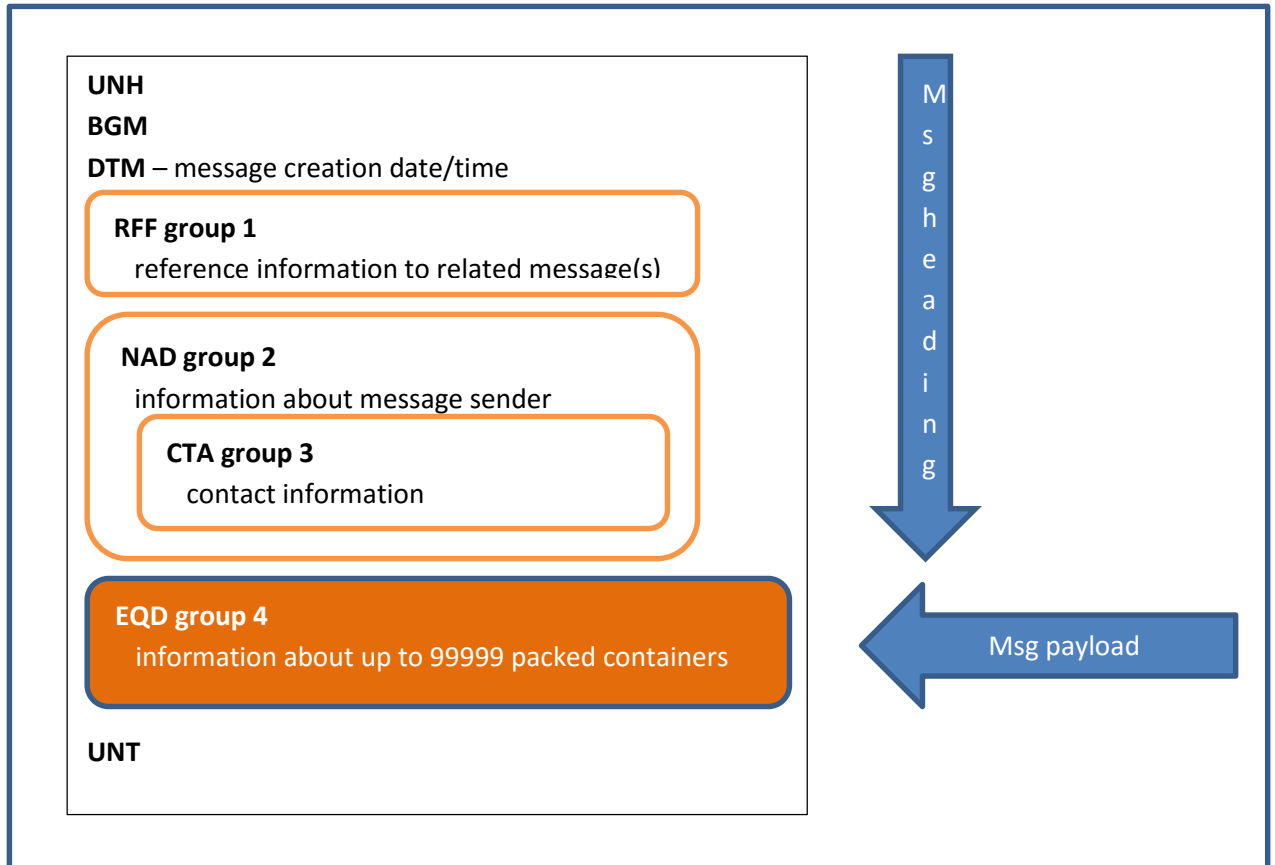


Officially, EDIFACT interchanges do not allow for line separators. For improvement of human readability, sometimes line separators are inserted after each segment. Also this document puts segments on separate lines in the below examples. Although line separators might be useful for internal purposes they shall not become part of interchanges transmitted between communication partners.

4.4 VERMAS Message Structure

This section is intended as overview of VERMAS' structural components and how they are meant to be used.

VERMAS Message



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

Currently 4 kinds of VGM documentation are distinguished

- SHP – documentation related to the party responsible to determine SOLAS VGM
- SM1 – documentation about SOLAS Method 1
- SM2 – documentation about SOLAS Method 2
- DRF – reference to container's VGM documentation
(Documentation is not transmitted in this message, but is available at the party specified in this DOC-group.)

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



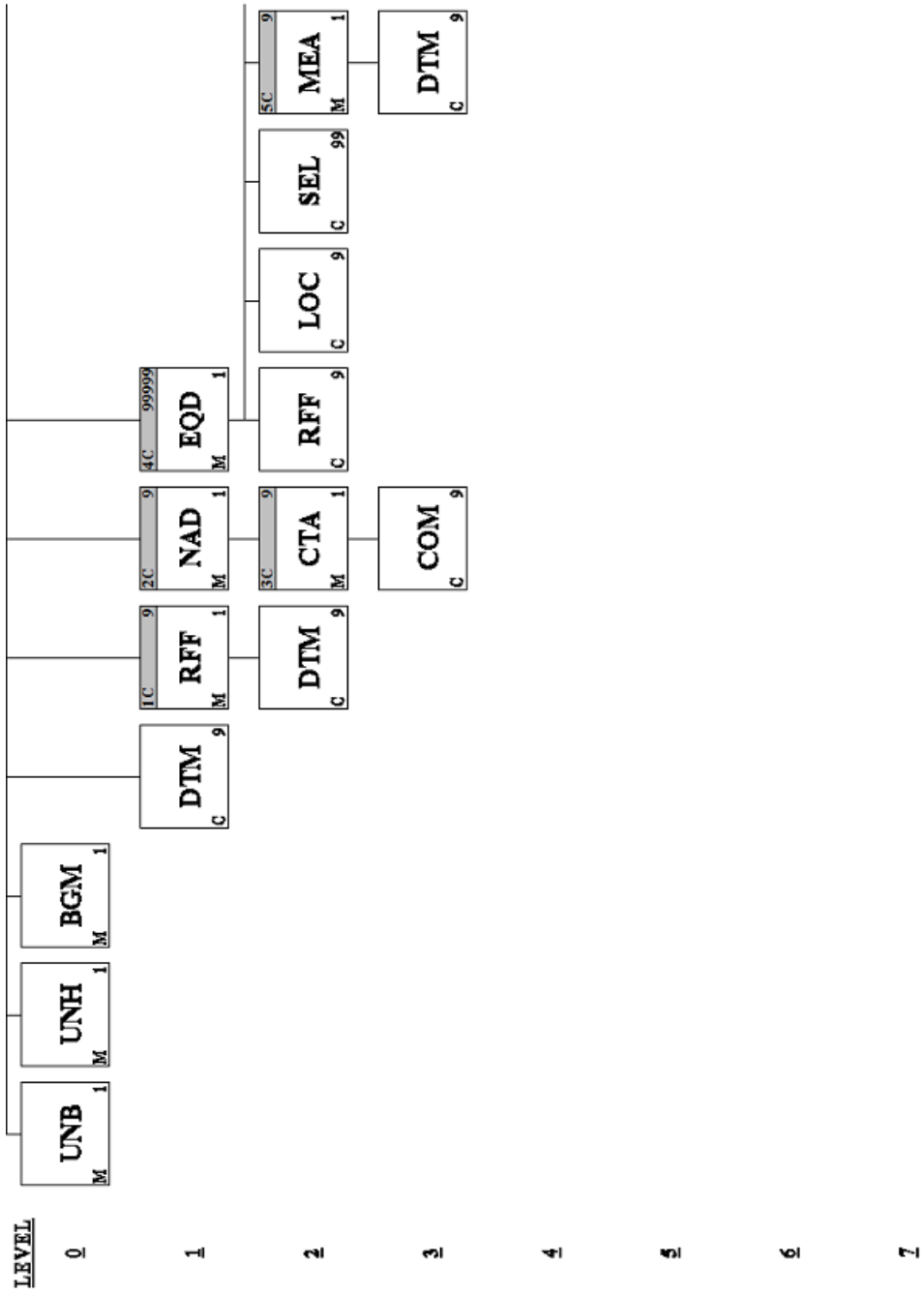
4.5 Message Implementation Reference

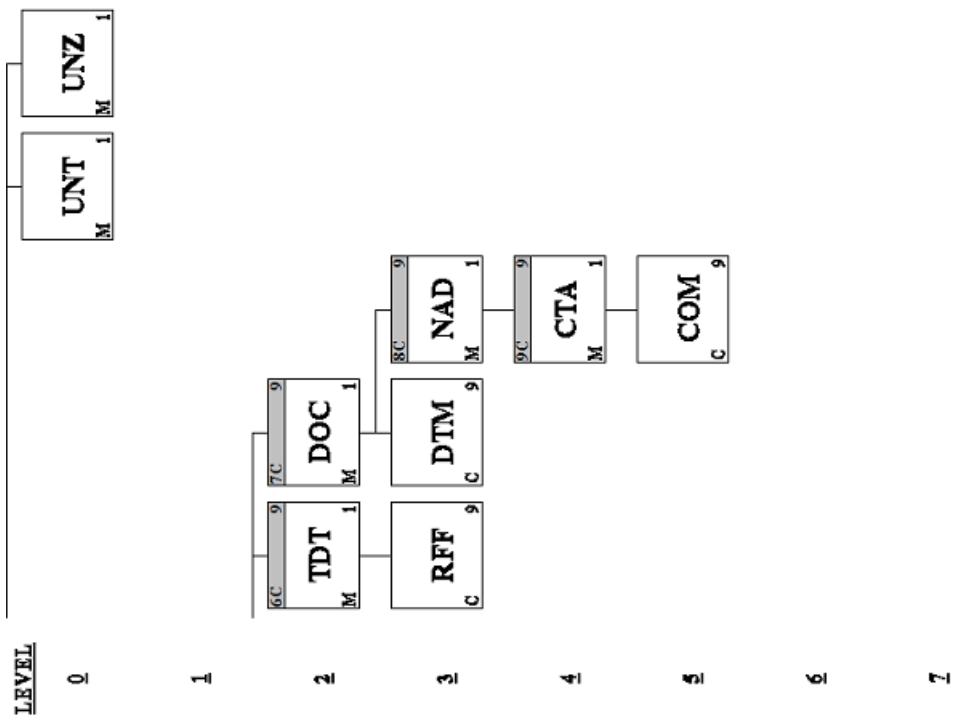
VERMAS Verified Gross Mass Message

Introduction:

Verified Gross Mass according to SOLAS Chapter VI, Regulation 2

<u>MIG Usage</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Directory Usage</u>	<u>Max.Use</u>	<u>Group Repeat</u>
M	00005	UNB	Interchange Header	M	1	
M	00010	UNH	Message Header	M	1	
M	00020	BGM	Beginning of Message	M	1	
R	00030	DTM	Date/Time/Period	C	9	
O	00040		Segment Group 1: RFF-DTM	C		9
M	00050	RFF	Reference	M	1	
O	00060	DTM	Date/Time/Period	C	9	
O	00070		Segment Group 2: NAD-SG3	C		9
M	00080	NAD	Name and Address	M	1	
O	00090		Segment Group 3: CTA-COM	C		9
M	00100	CTA	Contact Information	M	1	
O	00110	COM	Communication Contact	C	9	
R	00120		Segment Group 4: EQD-RFF-LOC-SEL-SG5-SG6-SG7	C		99999
M	00130	EQD	Equipment Details	M	1	
O	00140	RFF	Reference	C	9	
O	00150	LOC	Place/Location Identification	C	9	
O	00160	SEL	Seal Number	C	99	
R	00170		Segment Group 5: MEA-DTM	C		9
M	00180	MEA	Measurements	M	1	
O	00190	DTM	Date/Time/Period	C	9	
O	00200		Segment Group 6: TDT-RFF	C		9
M	00210	TDT	Transport Information	M	1	
O	00220	RFF	Reference	C	9	
O	00230		Segment Group 7: DOC-DTM-SG8	C		9
M	00240	DOC	Document/Message Details	M	1	
O	00250	DTM	Date/Time/Period	C	9	
O	00260		Segment Group 8: NAD-SG9	C		9
M	00270	NAD	Name and Address	M	1	
O	00280		Segment Group 9: CTA-COM	C		9
M	00290	CTA	Contact Information	M	1	
O	00300	COM	Communication Contact	C	9	
M	00310	UNT	Message Trailer	M	1	
M	00315	UNZ	Interchange Trailer	M	1	







Segment: **UNB** Interchange Header
 Position: 00005
 Group:
 Level: 0
 Usage: Mandatory
 Max Use: 1
 Purpose: To start, identify and specify an interchange

Data Element Summary

User	Data	Component		
<u>Attribute</u>	<u>Element</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	S001		SYNTAX IDENTIFIER	M 1
			Identification of the agency controlling the syntax and indication of syntax level.	
M		0001	Syntax identifier	M a4
			Coded identification of the agency controlling a syntax and syntax level used in an interchange. <i>UNOA UN/ECE level A</i>	
M		0002	Syntax version number	M n1
			Version number of the syntax identified in the syntax identifier (0001). <i>2 Version 2</i>	
M	S002		INTERCHANGE SENDER	M 1
			Identification of the sender of the interchange.	
M		0004	Sender identification	M an..35
			Name or coded representation of the sender of a data interchange.	
O		0007	Partner identification code qualifier	C an..4
			Qualifier referring to the source of codes for the identifiers of interchanging partners. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.	
O		0008	Address for reverse routing	C an..14
			Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.	
M	S003		INTERCHANGE RECIPIENT	M 1
			Identification of the recipient of the interchange.	
M		0010	Recipient identification	M an..35
			Name or coded representation of the recipient of a data interchange.	
O		0007	Partner identification code qualifier	C an..4
			Qualifier referring to the source of codes for the identifiers of interchanging partners. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.	
O		0014	Routing address	C an..14
			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.	
M	S004		DATE AND TIME OF PREPARATION	M 1
			Date and time of preparation of the interchange.	
M		0017	Date of preparation	M n6
			Local date when an interchange or a functional group was prepared.	
M		0019	Time of preparation	M n4
			Local time of day when an interchange or a functional group was prepared.	

M	0020	INTERCHANGE CONTROL REFERENCE	M	1	an..14
		Unique reference assigned by the sender to an interchange.			
O	S005	RECIPIENTS REFERENCE PASSWORD	C	1	
		Reference or password as agreed between the communicating partners.			
M	0022	Recipient reference/password	M		an..14
		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.			
O	0025	Recipient reference/password qualifier	C		an2
		Qualifier for the recipient's reference or password. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.			
O	0026	APPLICATION REFERENCE	C	1	an..14
		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.			
O	0029	PROCESSING PRIORITY CODE	C	1	a1
		Code determined by the sender requesting processing priority for the interchange. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.			
O	0031	ACKNOWLEDGEMENT REQUEST	C	1	n1
		Code determined by the sender for acknowledgement of the interchange. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.			
O	0032	COMMUNICATIONS AGREEMENT ID	C	1	an..35
		Identification by name or code of the type of agreement under which the interchange takes place.			
O	0035	TEST INDICATOR	C	1	n1
		Indication that the interchange is a test. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.			

Segment: UNH Message Header
Position: 00010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying the message. The message type code for the Verified gross mass message is VERMAS.

Notes: **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	16A
0051	UN

Example (s) :

UNH+VERMAS ID+VERMAS:D:16A:UN:SMDG10'

Data Element Summary

User	Data	Component	Attributes	
<u>Attribute</u>	<u>Element</u>	<u>Element</u>	<u>Name</u>	
M	0062		MESSAGE REFERENCE NUMBER	M 1 an..14
			Unique message reference assigned by the sender.	
M	S009		MESSAGE IDENTIFIER	M 1
			Identification of the type, version etc. of the message being interchanged.	
M		0065	Message type identifier	M an..6
			Code identifying a type of message and assigned by its controlling agency.	
			<i>VERMAS SOLAS verified gross mass</i>	
M		0052	Message type version number	M an..3
			Version number of a message type.	
			<i>D Draft version/UN/EDIFACT Directory</i>	
M		0054	Message type release number	M an..3
			Release number within the current message type version number (0052).	
			<i>16A Release 2016 - a</i>	
M		0051	Controlling agency	M an..2
			Code identifying the agency controlling the specification, maintenance and publication of the message type.	
			<i>UN UN/CEFACT</i>	
R		0057	Association assigned code	C an..6
			Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.	
			<i>SMDG10 SMDG version 1.0</i>	
X	0068		COMMON ACCESS REFERENCE	C 1 an..35
			Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	
X	S010		STATUS OF THE TRANSFER	C 1
			Statement that the message is one in a sequence of transfers relating to the same topic.	
X		0070	Sequence message transfer number	M n..2
			Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	
X		0073	First/last sequence message transfer indication	C a1



Indication used for the first and last message in a sequence of the same type of message relating to the same topic.

Segment: **BGM** Beginning of Message
Position: 00020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the type and function of a message and to transmit the identifying number.
Notes: **Example (s) :**
 BGM+749+98765432000+9'

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
R	C002		DOCUMENT/MESSAGE NAME	C 1
			Identification of a type of document/message by code or name. Code preferred.	
R		1001	Document name code	C an..3
			Code specifying the document name.	
			749 <i>Transport equipment gross mass verification message</i>	
X		1131	Code list identification code	C an..17
			Code identifying a user or association maintained code list.	
X		3055	Code list responsible agency code	C an..3
			Code specifying the agency responsible for a code list.	
O		1000	Document name	C an..35
			Name of a document.	
O	C106		DOCUMENT/MESSAGE IDENTIFICATION	C 1
			Identification of a document/message by its number and eventually its version or revision.	
R		1004	Document identifier	C an..70
			To identify a document.	
X		1056	Version identifier	C an..9
			To identify a version.	
X		1060	Revision identifier	C an..6
			To identify a revision.	
R	1225		MESSAGE FUNCTION CODE	C 1 an..3
			Code indicating the function of the message.	
			1 <i>Cancellation</i>	
			5 <i>Replace</i>	
			9 <i>Original</i>	
X	4343		RESPONSE TYPE CODE	C 1 an..3
			Code specifying the type of acknowledgment required or transmitted.	
O	1373		DOCUMENT STATUS CODE	C 1 an..3
			Code specifying the status of a document.	
X	3453		LANGUAGE NAME CODE	C 1 an..3
			Code specifying the language name.	



Segment: **DTM** Date/Time/Period
Position: 00030
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9
Purpose: A segment to specify dates and times for the entire message including the date and time of the preparation of the message.
Notes: **Example (s) :**
 DTM+137:201509231537:203' (no time zone = local time)
 DTM+137:201509131737?+01:303' (time zone = CET)

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C507		DATE/TIME/PERIOD Date and/or time, or period relevant to the specified date/time/period type. it is recommended to transmit date and time as UTC	M 1
M		2005	Date or time or period function code qualifier Code qualifying the function of a date, time or period. <i>137 Document issue date time</i>	M an..3
R		2380	Date or time or period text The value of a date, a date and time, a time or of a period in a specified representation.	C an..35
R		2379	Date or time or period format code Code specifying the representation of a date, time or period. <i>203 CCYYMMDDHHMM</i> <i>303 CCYYMMDDHHMMZZZ</i>	C an..3



Group: **RFF** Segment Group 1: Reference
Position: 00040
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to specify references relating to the message and related dates and times.

Segment Summary

<u>User</u> <u>Attribute</u>	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	00050	RFF	Reference	M	1	
O	00060	DTM	Date/Time/Period	C	9	



Segment: **RFF** Reference
Position: 00050 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify a reference which applies to the entire message, e.g. the reference to a previous message.
Notes: **Example (s) :**
 RFF+SI:T/HL007543'

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M 1
M		1153	Reference code qualifier Code qualifying a reference. <i>AAS Transport contract document identifier</i> <i>ABE Declarant's reference number</i> <i>ACW Reference number to previous message</i> <i>AFB Cargo manifest number</i> <i>AGO Sender's reference to the original message</i> <i>SI SID (Shipper's identifying number for shipment)</i>	M an..3
R		1154	Reference identifier Identifies a reference.	C an..70
X		1156	Document line identifier To identify a line of a document.	C an..6
X		1056	Version identifier To identify a version.	C an..9
X		1060	Revision identifier To identify a revision.	C an..6



Segment: **DTM** Date/Time/Period
Position: 00060
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to indicate dates and times related to the reference.
Notes: **Example (s) :**
 DTM+171:201509160823:203 '

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C507		DATE/TIME/PERIOD	M 1
			Date and/or time, or period relevant to the specified date/time/period type.	
M		2005	Date or time or period function code qualifier	M an..3
			Code qualifying the function of a date, time or period.	
			171 Reference date/time	
R		2380	Date or time or period text	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	
R		2379	Date or time or period format code	C an..3
			Code specifying the representation of a date, time or period.	
			203 CCYMMDDHHMM	
			303 CCYMMDDHHMMZZZ	



Group: NAD Segment Group 2: Name and Address
Position: 00070
Group:
Level: 1
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to identify a party for the entire message including the message sender and related contacts.

Segment Summary

<u>User</u> <u>Attribute</u>	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	00080	NAD	Name and Address	M	1	
	00090		Segment Group 3: Contact Information	C		9



Segment: NAD Name and Address
Position: 00080 (Trigger Segment)
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the name/address of the party and to identify the party role.
Notes: **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 (s) :

Message sent by terminal:
 NAD+TR+DBF:TERMINALS:306'
 Message sent by weighing station:
 NAD+WPA+++QTW LTD+EAST STREET 107+MYTOWN++456A23+JP'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a 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.	M 1 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 TB Submitter TR Terminal operator WPA Weighting party	
O	C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code. 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.	C 1
M		3039	Party identifier Code specifying the identity of a party.	M an..35
O		1131	Code list identification code Code identifying a user or association maintained code list. EORI EORI number INTTRA INTTRA ID LINES SMDG master liner code list TAX TAX ID TERMINALS SMDG terminal facility code list	C an..17
R		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3

		7	<i>CEFIC (Conseil Europeen des Federations de l'Industrie Chimique)</i>		
		9	<i>GS1</i>		
		10	<i>ODETTE</i>		
		16	<i>US, D&B (Dun & Bradstreet Corporation)</i>		
		87	<i>Assigned by carrier</i>		
		166	<i>US, National Motor Freight Classification Association</i>		
		192	<i>Shipper's association</i>		
		306	<i>SMDG (Ship-planning Message Design Group)</i>		
		<i>ZZZ</i>	<i>Mutually defined</i>		
O	C058		NAME AND ADDRESS	C	1
			Unstructured name and address: one to five lines.		
			Usage of this composite is deprecated. For transmission of name and address it is recommended to use C080 through 3207 instead.		
M		3124	Name and address description	M	an..35
			Free form description of a name and address line.		
O		3124	Name and address description	C	an..35
			Free form description of a name and address line.		
O		3124	Name and address description	C	an..35
			Free form description of a name and address line.		
O		3124	Name and address description	C	an..35
			Free form description of a name and address line.		
O		3124	Name and address description	C	an..35
			Free form description of a name and address line.		
O	C080		PARTY NAME	C	1
			Identification of a transaction party by name, one to five lines. Party name may be formatted.		
M		3036	Party name	M	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3045	Party name format code	C	an..3
			Code specifying the representation of a party name.		
			Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.		
O	C059		STREET	C	1
			Street address and/or PO Box number in a structured address: one to four lines.		
M		3042	Street and number or post office box identifier	M	an..35
			To identify a street and number and/or Post Office box number.		
O		3042	Street and number or post office box identifier	C	an..35
			To identify a street and number and/or Post Office box number.		
O		3042	Street and number or post office box identifier	C	an..35
			To identify a street and number and/or Post Office box number.		
O		3042	Street and number or post office box identifier	C	an..35

		To identify a street and number and/or Post Office box number.		
O	3164	CITY NAME	C	1 an..35
		Name of a city.		
O	C819	COUNTRY SUBDIVISION DETAILS	C	1
		To specify a country subdivision, such as state, canton, county, prefecture.		
O	3229	Country subdivision identifier	C	an..9
		To identify a country subdivision, such as state, canton, county, prefecture.		
O	1131	Code list identification code	C	an..17
		Code identifying a user or association maintained code list.		
O	3055	Code list responsible agency code	C	an..3
		Code specifying the agency responsible for a code list.		
		Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.		
O	3228	Country subdivision name	C	an..70
		Name of a country subdivision, such as state, canton, county, prefecture.		
O	3251	POSTAL IDENTIFICATION CODE	C	1 an..17
		Code specifying the postal zone or address.		
O	3207	COUNTRY IDENTIFIER	C	1 an..3
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.		



Group: CTA Segment Group 3: Contact Information
Position: 00090
Group: Segment Group 2 (Name and Address) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to identify a contact and its communications related to the party.

Segment Summary

<u>User</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
<u>Attribute</u>	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	00100	CTA	Contact Information	M	1	
O	00110	COM	Communication Contact	C	9	



Segment: CTA **Contact Information**
Position: 00100 (Trigger Segment)
Group: Segment Group 3 (Contact Information) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or a department to whom communication should be directed.
Notes: **Example (s) :**
 CTA+MS+ABC CORP. '

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u> <u>Name</u>	
O	3139	CONTACT FUNCTION CODE	C 1 an..3
		Code specifying the function of a contact (e.g. department or person).	
		<i>BN</i> <i>Certification contact</i>	
		<i>CW</i> <i>Confirmed with</i>	
		<i>IC</i> <i>Information contact</i>	
		<i>MS</i> <i>Message sender contact</i>	
O	C056	CONTACT DETAILS	C 1
		Code and/or name of a contact such as a department or employee. Code preferred.	
O		3413 Contact identifier	C an..17
		To identify a contact, such as a department or employee.	
O		3412 Contact name	C an..256
		Name of a contact, such as a department or employee.	



Segment: **COM** Communication Contact
Position: 00110
Group: Segment Group 3 (Contact Information) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify communication numbers or email addresses for a person or department to whom communication should be directed.
Notes: **Example (s) :**
 COM+NAME (A) LINE . COM : EM '

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C076		COMMUNICATION CONTACT Communication number of a department or employee in a specified channel.	M 3
M		3148	Communication address identifier To identify a communication address.	M an..512
M		3155	Communication means type code Code specifying the type of communication address.	M an..3
			<i>AL Cellular phone</i>	
			<i>AM International telephone direct line</i>	
			<i>EI EDI transmission</i>	
			<i>EM Electronic mail</i>	
			<i>FX Telefax</i>	
			<i>MA Mail</i>	
			<i>TE Telephone</i>	



Group: EQD Segment Group 4: Equipment Details
Position: 00120
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 99999
Purpose: A group of segments containing information about an individual piece of transport equipment.

Notes: **Group transmitting VGM information about a container:**
- identification and routing information
- gross mass (status verified or not)
- DOC group for documentation of VGM

Segment Summary

<u>User</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
<u>Attribute</u>	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	00130	EQD	Equipment Details	M	1	
O	00140	RFF	Reference	C	9	
O	00150	LOC	Place/Location Identification	C	9	
O	00160	SEL	Seal Number	C	99	
	00170		Segment Group 5: Measurements	C		9
	00200		Segment Group 6: Transport Information	C		9
	00230		Segment Group 7: Document/Message Details	C		9



Segment: **EQD** **Equipment Details**
Position: 00130 (Trigger Segment)
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify a unit of equipment.
Notes: **Example (s) :**
 EQD+CN+SUDU1234569:6346:5+42G1:6346:5+++5' (40' container of type 42G1)

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u> <u>Name</u>	
M	8053	EQUIPMENT TYPE CODE QUALIFIER Code qualifying a type of equipment.	M 1 an..3
Transmission of code "CN" is required in all use cases.			
		<i>CN Container</i>	
R	C237	EQUIPMENT IDENTIFICATION Marks (letters/numbers) identifying equipment.	C 1
R		8260 Equipment identifier To identify equipment.	C an..17
O		1131 Code list identification code Code identifying a user or association maintained code list.	C an..17
		<i>6346 container ID according to ISO 6346</i>	
O		3055 Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
		<i>5 ISO (International Organization for Standardization)</i>	
X		3207 Country identifier Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.	C an..3
O	C224	EQUIPMENT SIZE AND TYPE Code and or name identifying size and type of equipment. Code preferred.	C 1
O		8155 Equipment size and type description code Code specifying the size and type of equipment.	C an..10
		Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.	
O		1131 Code list identification code Code identifying a user or association maintained code list.	C an..17
		<i>6346 size and type coding according to ISO 6346</i>	
O		3055 Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
		<i>5 ISO (International Organization for Standardization)</i>	
O		8154 Equipment size and type description Free form description of the size and type of equipment.	C an..35
O	8077	EQUIPMENT SUPPLIER CODE Code specifying the party that is the supplier of the equipment.	C 1 an..3
		<i>1 Shipper supplied</i>	
		<i>2 Carrier supplied</i>	
O	8249	EQUIPMENT STATUS CODE Code specifying the status of equipment.	C 1 an..3



O	8169	FULL OR EMPTY INDICATOR CODE Code indicating whether an object is full or empty. 4 <i>Empty</i> 5 <i>Full</i>	C	1 an..3
X	4233	MARKING INSTRUCTIONS CODE Code specifying instructions for marking.	C	1 an..3



Segment: **RFF** Reference
Position: 00140
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify a reference to the transport equipment.
Notes: **This reference is intended to relate the transmitted VGM data to message recipient's internal business transactions.**

Example (s) :

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

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C506		REFERENCE Identification of a reference.	M 1
M		1153	Reference code qualifier Code qualifying a reference. <i>ACD Additional reference number</i> <i>ACE Related document number</i> <i>AOG Source document internal reference</i> <i>AOW Transportation Control Number (TCN)</i> <i>BM Bill of lading number</i> <i>BN Consignment identifier, carrier assigned</i> <i>FF Consignment identifier, freight forwarder assigned</i> <i>SI SID (Shipper's identifying number for shipment)</i> <i>VOR Transport equipment gross mass verification order reference</i>	M an..3
R		1154	Reference identifier Identifies a reference.	C an..70
X		1156	Document line identifier To identify a line of a document.	C an..6
X		1056	Version identifier To identify a version.	C an..9
X		1060	Revision identifier To identify a revision.	C an..6



Segment: **LOC** Place/Location Identification
Position: 00150
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify a place or a location related to the transport equipment.
Notes: **Locations related to container's transport chain.**

Message design note(s):

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

Example (s) :

LOC+9+NLRTM+DGE:TERMINALS:306' (port of loading incl. terminal specification)

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	3227		LOCATION FUNCTION CODE QUALIFIER Code identifying the function of a location. 9 <i>Place of loading</i> 11 <i>Place of discharge</i> 13 <i>Place of transshipment</i> 20 <i>Place of ultimate destination of goods</i> 65 <i>Final port or place of discharge</i> 76 <i>Original port of loading</i> 84 <i>Transport contract place of acceptance</i> 85 <i>Transport contract place of destination</i> 88 <i>Place of receipt</i>	M 9 an..3
R	C517		LOCATION IDENTIFICATION Identification of a location by code or name.	C 1
O		3225	Location identifier To identify a location. UN-LoCode of place specified in 3227.	C an..35
X		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
X		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
O		3224	Location name Name of the location.	C an..256
O	C519		RELATED LOCATION ONE IDENTIFICATION Identification the first related location by code or name. terminal in port	C 1
O		3223	First related location identifier To identify a first related location.	C an..35
O		1131	Code list identification code Code identifying a user or association maintained code list. <i>TERMINALS SMDG code list for terminal facilities</i>	C an..17
O		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3

		306	<i>SMDG (Ship-planning Message Design Group)</i>	
O		3222	First related location name Name of first related location.	C an..70
X	C553		RELATED LOCATION TWO IDENTIFICATION Identification of second related location by code or name.	C 1
X		3233	Second related location identifier To identify a second related location.	C an..35
X		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
X		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
X		3232	Second related location name Name of the second related location.	C an..70
X	5479		RELATION CODE Code specifying a relation.	C 1 an..3



Segment: **SEL** Seal Number
Position: 00160
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to specify a seal number.
Notes: **The seal number(s) attached to the container at the time of VGM determination.**
Example (s) :
 SEL+987654321+SH' (shipper's seal)

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
R	9308		TRANSPORT UNIT SEAL IDENTIFIER The identification number of a seal affixed to a transport unit.	C 1 an..35
O	C215		SEAL ISSUER Identification of the issuer of a seal on equipment either by code or by name.	C 1
O		9303	Sealing party name code Code specifying the name of the sealing party. AA Consolidator AB Unknown AC Quarantine agency CA Carrier CU Customs SH Shipper TO Terminal operator	C an..3
O		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
O		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
O		9302	Sealing party name Name of the sealing party.	C an..35
O	4517		SEAL CONDITION CODE Code specifying the condition of a seal. 1 In right condition 2 Damaged 3 Missing 4 Broken 5 Faulty electronic seal	C 1 an..3
X	C208		IDENTITY NUMBER RANGE Goods item identification numbers, start and end of consecutively numbered range.	C 1
X		7402	Object identifier Code specifying the unique identity of an object.	M an..35
X		7402	Object identifier Code specifying the unique identity of an object.	C an..35
O	4525		SEAL TYPE CODE To specify a type of seal.	C 1 an..3



- 1 *Mechanical seal*
- 2 *Electronic seal*



Group: MEA Segment Group 5: Measurements
Position: 00170
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 2
Usage: Conditional (Required)
Max Use: 9
Purpose: A group of segments to specify the gross mass of transport equipment and date/time when it was determined.
Notes: 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.

Segment Summary

<u>Attribute</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	00180	MEA	Measurements	M	1	
O	00190	DTM	Date/Time/Period	C	9	

Segment: MEA Measurements
Position: 00180 (Trigger Segment)
Group: Segment Group 5 (Measurements) Conditional (Required)
Level: 2
Usage: Mandatory
Max Use: 1
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.
Notes: **Example (s) :**
 Gross mass, verified: MEA+AAE+VGM+KGM:21700'
 Gross mass, not verified: MEA+AAE+AET+KGM:20000'

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes
M	6311		MEASUREMENT PURPOSE CODE QUALIFIER Code qualifying the purpose of the measurement. <i>AAE Measurement</i>	M 1 an..3
R	C502		MEASUREMENT DETAILS Identification of measurement type.	C 1
R		6313	Measured attribute code Code specifying the attribute measured. <i>AET Transport equipment gross weight</i> <i>VGM Verified gross mass - transport equipment verified gross weight</i>	C an..3
X		6321	Measurement significance code Code specifying the significance of a measurement.	C an..3
X		6155	Non-discrete measurement name code Code specifying the name of a non-discrete measurement.	C an..17
X		6154	Non-discrete measurement name Name of a non-discrete measurement.	C an..70
R	C174		VALUE/RANGE Measurement value and relevant minimum and maximum values of the measurement range.	C 1
M		6411	Measurement unit code Code specifying the unit of measurement. <i>KGM kilogram</i> <i>LBR pounds</i>	M an..8
R		6314	Measure To specify the value of a measurement. In case the gross mass is not yet verified, an estimated value of the gross mass is to be specified.	C an..18
X		6162	Range minimum quantity To specify the minimum value of a range.	C n..18
X		6152	Range maximum quantity To specify the maximum value of a range.	C n..18
X		6432	Significant digits quantity Count of the number of significant digits.	C n..2



X

7383

SURFACE OR LAYER CODE

C 1 an..3

Code specifying the surface or layer of an object.

Segment: **DTM** Date/Time/Period
Position: 00190
Group: Segment Group 5 (Measurements) Conditional (Required)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify date and/or time when the gross mass was determined.
Notes: **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 (s) :

DTM+798:201606251632:203'

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C507		DATE/TIME/PERIOD	M 1
			Date and/or time, or period relevant to the specified date/time/period type.	
M		2005	Date or time or period function code qualifier	M an..3
			Code qualifying the function of a date, time or period.	
		798	<i>Verified gross mass determination date/time</i>	
R		2380	Date or time or period text	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	
R		2379	Date or time or period format code	C an..3
			Code specifying the representation of a date, time or period.	
		102	<i>CCYYMMDD</i>	
		203	<i>CCYYMMDDHHMM</i>	
		205	<i>CCYYMMDDHHMMZHHMM</i>	
		303	<i>CCYYMMDDHHMMZZZ</i>	



Group: **TDT** Segment Group 6: Transport Information
Position: 00200
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose:
Notes: A group transmitting vessel/voyage information allowing to relate the transmitted VGM data to message recipient's internal business transactions.

Segment Summary

<u>User</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
<u>Attribute</u>	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	00210	TDT	Transport Information	M	1	
O	00220	RFF	Reference	C	9	



Segment: **TDT** Transport Information
Position: 00210 (Trigger Segment)
Group: Segment Group 6 (Transport Information) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: 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.

Notes: **Example (s) :**
TDT+20+123E45+++HLC: LINES: 306+++9501344::11: BASLE EXPRESS '
(IMO number)
TDT+20+123E45+++HLC: LINES: 306+++DFGN2::296: BASLE EXPRESS '
(call sign)

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	8051		TRANSPORT STAGE CODE QUALIFIER Code qualifying a specific stage of transport. <i>20 Main-carriage transport</i>	M 1 an..3
O	8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER To identify a journey of a means of transport.	C 1 an..17
O	C220		MODE OF TRANSPORT Method of transport code or name. Code preferred.	C 1
R		8067	Transport mode name code Code specifying the name of a mode of transport. code by UN/ECE recommendation 20 <i>1 Maritime transport</i>	C an..3
X		8066	Transport mode name Name of a mode of transport.	C an..17
O	C001		TRANSPORT MEANS Code and/or name identifying the type of means of transport.	C 1
O		8179	Transport means description code Code specifying the means of transport.	C an..8
O		1131	Code list identification code Code identifying a user or association maintained code list.	C an..17
O		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C an..3
O		8178	Transport means description Free form description of the means of transport.	C an..17
O	C040		CARRIER Identification of a carrier by code and/or by name. Code preferred.	C 1
D		3127	Carrier identifier To identify a carrier.	C an..17
O		1131	Code list identification code Code identifying a user or association maintained code list. <i>LINES SMDG master liner code list</i>	C an..17
O		3055	Code list responsible agency code	C an..3

			Code specifying the agency responsible for a code list. <i>306 SMDG (Ship-planning Message Design Group)</i>		
D		3126	Carrier name Name of a carrier.	C	an..35
X	8101		TRANSIT DIRECTION INDICATOR CODE Code specifying the direction of transport.	C	1 an..3
X	C401		EXCESS TRANSPORTATION INFORMATION To provide details of reason for, and responsibility for, use of transportation other than normally utilized.	C	1
X		8457	Excess transportation reason code Code specifying the reason for excess transportation.	M	an..3
X		8459	Excess transportation responsibility code Code specifying the responsibility for excess transportation.	M	an..3
X		7130	Customer shipment authorisation identifier To identify the authorisation to ship issued by the customer.	C	an..17
O	C222		TRANSPORT IDENTIFICATION Code and/or name identifying the means of transport.	C	1
O		8213	Transport means identification name identifier Identifies the name of the transport means.	C	an..35
O		1131	Code list identification code Code identifying a user or association maintained code list. <i>CALLSIGN vessel callsign</i> <i>IMO IMO number</i>	C	an..17
O		3055	Code list responsible agency code Code specifying the agency responsible for a code list. <i>11 Lloyd's register of shipping</i> <i>296 ITU (International Telecommunication Union)</i>	C	an..3
O		8212	Transport means identification name Name identifying a means of transport.	C	an..70
O		8453	Transport means nationality code Code specifying the nationality of a means of transport.	C	an..3
X	8281		TRANSPORT MEANS OWNERSHIP INDICATOR CODE Code indicating the ownership of a means of transport.	C	1 an..3
X	C003		POWER TYPE To specify the type of power.	C	1
X		7041	Power type code Code indicating the type of power.	C	an..3
X		1131	Code list identification code Code identifying a user or association maintained code list.	C	an..17
X		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C	an..3
X		7040	Power type description Description of the type of power.	C	an..17

Segment: **RFF** Reference
Position: 00220
Group: Segment Group 6 (Transport Information) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify a reference relating to the transport, such as an additional voyage reference number.
Notes: **Example (s) :**
RFF+VON:124W51 '

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
M	C506		REFERENCE Identification of a reference.	M 1
M		1153	Reference code qualifier Code qualifying a reference. export/loading voyage number (for specification of import/discharge voyage number use D8023 in preceding TDT segment) <i>VON Voyage number</i>	M an..3
R		1154	Reference identifier Identifies a reference.	C an..70
X		1156	Document line identifier To identify a line of a document.	C an..6
X		1056	Version identifier To identify a version.	C an..9
X		1060	Revision identifier To identify a revision.	C an..6



Group: **DOC** Segment Group 7: Document/Message Details
Position: 00230
Group: Segment Group 4 (Equipment Details) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose:
Notes: Group specifying documentation related to SOLAS gross mass verification of a packed container.

Segment Summary

<u>User</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
<u>Attribute</u>	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	00240	DOC	Document/Message Details	M	1	
O	00250	DTM	Date/Time/Period	C	9	
	00260		Segment Group 8: Name and Address	C	9	

Segment: **DOC** Document/Message Details
Position: 00240 (Trigger Segment)
Group: Segment Group 7 (Document/Message Details) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the type and identification of documentation.
Notes: 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 (s) :

```

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)
    
```

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C002		DOCUMENT/MESSAGE NAME	M 1
			Identification of a type of document/message by code or name. Code preferred.	
R		1001	Document name code	C an..3
			Code specifying the document name.	
			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)".	
			<i>DRF</i> Documentation of gross mass verification	
			<i>SHP</i> Party responsible for verification of gross mass	
			<i>SM1</i> SOLAS verification method 1	

		<i>SM2</i>	<i>SOLAS verification method 2</i>		
R		1131	Code list identification code Code identifying a user or association maintained code list.	C	an..17
			<i>VGM</i>		<i>Verified Gross Mass Information</i>
R		3055	Code list responsible agency code Code specifying the agency responsible for a code list.	C	an..3
			<i>306</i>		<i>SMDG (Ship-planning Message Design Group)</i>
O		1000	Document name Name of a document.	C	an..35
D	C503		DOCUMENT/MESSAGE DETAILS Identification of document/message by number, status, source and/or language. Message design note(s):: <i>Dependency note:</i> <i>- required if C002.1001 = DRF</i> <i>- otherwise it is recommended to transmit the documentation ID (if available)</i>	C	1
R		1004	Document identifier To identify a document.	C	an..70
			Unique identification of documentation: - in case C002.1001 = SHP, SM1, SM2 define ID for reference - in case C002.1001 = DRF refer to documentation with ID		
O		1373	Document status code Code specifying the status of a document. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.	C	an..3
O		1366	Document source description Free form description of the source of a document.	C	an..70
O		3453	Language name code Code specifying the language name.	C	an..3
O		1056	Version identifier To identify a version.	C	an..9
O		1060	Revision identifier To identify a revision.	C	an..6
X	3153		COMMUNICATION MEDIUM TYPE CODE Code specifying the type of communication medium.	C	1 an..3
X	1220		DOCUMENT COPIES REQUIRED QUANTITY Quantity of document copies required.	C	1 n..2
X	1218		DOCUMENT ORIGINALS REQUIRED QUANTITY Quantity of document originals required.	C	1 n..2

Segment: **DTM** Date/Time/Period
Position: 00250
Group: Segment Group 7 (Document/Message Details) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify date and/or time related to the documentation.
Notes: **Date/Time when the Verified Gross Mass reported in the current document was determined respectively Date/Time when the document/certificate was issued**

Example (s) :

DTM+137:201606270809:203'

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	C507		DATE/TIME/PERIOD	M 1
			Date and/or time, or period relevant to the specified date/time/period type.	
M		2005	Date or time or period function code qualifier	M an..3
			Code qualifying the function of a date, time or period.	
			137 Document issue date time	
			798 Verified gross mass determination date/time	
R		2380	Date or time or period text	C an..35
			The value of a date, a date and time, a time or of a period in a specified representation.	
R		2379	Date or time or period format code	C an..3
			Code specifying the representation of a date, time or period.	
			102 CCYYMMDD	
			203 CCYYMMDDHHMM	
			205 CCYYMMDDHHMMZHHMM	
			303 CCYYMMDDHHMMZZZ	



Group: NAD Segment Group 8: Name and Address
Position: 00260
Group: Segment Group 7 (Document/Message Details) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to qualify and specify name and address information to the documentation.

Notes: **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

Segment Summary

<u>User Attribute</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Group: Repeat</u>
M	00270	NAD	Name and Address	M	1	
	00280		Segment Group 9: Contact Information	C		9

Segment: NAD Name and Address
Position: 00270 (Trigger Segment)
Group: Segment Group 8 (Name and Address) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the function and name/address of an organization or an individual.

Notes: **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.

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 (s) :

The company acting as party responsible for declaration of VGM is transmitted by:

```
NAD+SPC+++BEST FRUIT LTD.+LONG STREET 987:P.O. BOX
321123+NEW YORK CITY++10007+US'
```

The person authorized to sign the VGM declaration is transmitted by:

```
NAD+AM+++PETER SMITH:BEST FRUIT LTD.+LONG STREET
987:P.O. BOX 321123+NEW YORK CITY++10007+US'
```

The party which has determined the VGM including the country under whose legislation it took place:

```
NAD+WPA+++A2 WEIGHT LTD+B2 STREET 10:PO BOX
2000+PERTH++6159+AU'
```

The party holding VGM documentation (as part of shipping documents):

```
NAD+WC+++HL ASIA+B3 STREET 21:PO BOX
3000+SINGAPORE++6159+SG'
```

The party which has ordered weighing at terminal or weighing station:

```
NAD+OB+++A1 LTD+B1 STREET 100:PO BOX 1000+C
CITY++9000+DE'
```

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element Name</u>	

M	3035	PARTY FUNCTION CODE QUALIFIER	M	1 an..3
		Code giving specific meaning to a 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		
		<i>AM Authorized official</i>		
		<i>CA Carrier</i>		
		<i>CZ Consignor</i>		
		<i>FW Freight forwarder</i>		
		<i>OB Ordered by</i>		
		<i>SPC SOLAS verified gross mass responsible party</i>		
		<i>WC Information reference agency</i>		
		<i>WPA Weighting party</i>		
O	C082	PARTY IDENTIFICATION DETAILS	C	1
		Identification of a transaction party by code.		
		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 (s) :		
		ID::9 --- GS1 ID		
		ID::16 --- Duns ID		
		ID:EORI:ZZZ --- EORI ID		
		ID:INTTRA:ZZZ -- INTTRA ID		
		ID:TAX:ZZZ -- tax ID		
M	3039	Party identifier	M	an..35
		Code specifying the identity of a party.		
D	1131	Code list identification code	C	an..17
		Code identifying a user or association maintained code list.		
		Usage of this data element is required if C082.3055 is transmitted as ZZZ.		
		<i>EORI EORI number</i>		
		<i>INTTRA INTTRA ID</i>		
		<i>TAX TAX ID</i>		
R	3055	Code list responsible agency code	C	an..3
		Code specifying the agency responsible for a code list.		
		<i>9 GSI</i>		
		<i>16 US, D&B (Dun & Bradstreet Corporation)</i>		
		<i>ZZZ Mutually defined</i>		
O	C058	NAME AND ADDRESS	C	1
		Unstructured name and address: one to five lines.		
		Usage of this composite is deprecated. For transmission of name and address it is recommended to use C080 through 3207 instead.		
M	3124	Name and address description	M	an..35
		Free form description of a name and address line.		
O	3124	Name and address description	C	an..35
		Free form description of a name and address line.		
O	3124	Name and address description	C	an..35
		Free form description of a name and address line.		

O		3124	Name and address description	C	an..35
			Free form description of a name and address line.		
O		3124	Name and address description	C	an..35
			Free form description of a name and address line.		
O	C080		PARTY NAME	C	1
			Identification of a transaction party by name, one to five lines. Party name may be formatted.		
M		3036	Party name	M	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3036	Party name	C	an..70
			Name of a party.		
O		3045	Party name format code	C	an..3
			Code specifying the representation of a party name. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.		
O	C059		STREET	C	1
			Street address and/or PO Box number in a structured address: one to four lines.		
M		3042	Street and number or post office box identifier	M	an..35
			To identify a street and number and/or Post Office box number.		
O		3042	Street and number or post office box identifier	C	an..35
			To identify a street and number and/or Post Office box number.		
O		3042	Street and number or post office box identifier	C	an..35
			To identify a street and number and/or Post Office box number.		
O		3042	Street and number or post office box identifier	C	an..35
			To identify a street and number and/or Post Office box number.		
O	3164		CITY NAME	C	1 an..35
			Name of a city.		
O	C819		COUNTRY SUBDIVISION DETAILS	C	1
			To specify a country subdivision, such as state, canton, county, prefecture.		
O		3229	Country subdivision identifier	C	an..9
			To identify a country subdivision, such as state, canton, county, prefecture.		
O		1131	Code list identification code	C	an..17
			Code identifying a user or association maintained code list.		
O		3055	Code list responsible agency code	C	an..3
			Code specifying the agency responsible for a code list. Refer to D.16A.SMDG10 Data Element Dictionary for acceptable code values.		
O		3228	Country subdivision name	C	an..70
			Name of a country subdivision, such as state, canton, county, prefecture.		
O	3251		POSTAL IDENTIFICATION CODE	C	1 an..17
			Code specifying the postal zone or address.		
D	3207		COUNTRY IDENTIFIER	C	1 an..3
			Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3. Message design note(s)::		



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.



Group: **CTA** Segment Group 9: Contact Information
Position: 00280
Group: Segment Group 8 (Name and Address) Conditional (Optional)
Level: 4
Usage: Conditional (Optional)
Max Use: 9
Purpose: A group of segments to identify a person or a department to whom communication should be directed.

Notes: **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

Segment Summary

<u>User</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
<u>Attribute</u>	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	00290	CTA	Contact Information	M		1
O	00300	COM	Communication Contact	C		9

Segment: CTA **Contact Information**
Position: 00290 (Trigger Segment)
Group: Segment Group 9 (Contact Information) Conditional (Optional)
Level: 4
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the function and details of a contact person or department.
Notes: **With function code RP the segment is used for transmission of a signature (person's name in capital letters).**
Example (s) :
 CTA+RP+:PETER J. SMITH' (signature by name in capital letters)
 CTA+BN' (communication contact with details in subsequent COM segment)

Data Element Summary

<u>User Attribute</u>	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
R	3139		CONTACT FUNCTION CODE Code specifying the function of a contact (e.g. department or person). <i>BN Certification contact</i> <i>RP (Authorized) responsible person</i>	C 1 an..3
D	C056		CONTACT DETAILS Code and/or name of a contact such as a department or employee. Code preferred. Required if 3139=RP	C 1
O		3413	Contact identifier To identify a contact, such as a department or employee.	C an..17
D		3412	Contact name Name of a contact, such as a department or employee. In case 3139=RP this data element is interpreted as signature (name of responsible person in capital letters).	C an..256

Segment: **COM** Communication Contact
Position: 00300
Group: Segment Group 9 (Contact Information) Conditional (Optional)
Level: 5
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify communication numbers or email addresses for a person or department to whom communication should be directed.
Notes: **Contact address for party or person (according to function qualifier in current CTA group)**
Example (s) :
 COM+?+19731234567:TE' - phone number
 COM+DISPATCH (A)MODERN-FOOTWEAR.COM:EM' - email address
 COM+ABC STRASSE 98, 20000 HAMBURG, GERMANY:MA' - physical address

Data Element Summary

User Attribute	Data Element	Component Element	Name	Attributes
M	C076		COMMUNICATION CONTACT Communication number of a department or employee in a specified channel.	M 3
M		3148	Communication address identifier To identify a communication address.	M an..512
M		3155	Communication means type code Code specifying the type of communication address.	M an..3
			<i>AL Cellular phone</i>	
			<i>AM International telephone direct line</i>	
			<i>EI EDI transmission</i>	
			<i>EM Electronic mail</i>	
			<i>FX Telefax</i>	
			<i>MA Mail</i>	
			<i>TE Telephone</i>	



Segment: UNT Message Trailer
Position: 00310
Group:
Level: 0
Usage: Mandatory
Max Use: 1
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.

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u> <u>Name</u>	
M	0074	NUMBER OF SEGMENTS IN A MESSAGE Control count of number of segments in a message.	M 1 n..6
M	0062	MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M 1 an..14



Segment: UNZ Interchange Trailer
Position: 00315
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of an interchange

Data Element Summary

<u>User</u>	<u>Data</u>	<u>Component</u>	<u>Name</u>	<u>Attributes</u>
<u>Attribute</u>	<u>Element</u>	<u>Element</u>		
M	0036		INTERCHANGE CONTROL COUNT Count either of the number of messages or, if used, of the number of functional groups in an interchange.	M 1 n..6
M	0020		INTERCHANGE CONTROL REFERENCE Unique reference assigned by the sender to an interchange.	M 1 an..14

4.6 Usage of NAD Qualifiers SPC, AM, WPA, WC in VERMAS

This section defines how information about parties and individuals involved in SOLAS Verified Gross Mass is transmitted in message VERMAS.

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)".

Information about the "SOLAS shipper" is to be transmitted in a NAD group 8 qualified by **NAD+SPC**.

SOLAS furthermore defines that the Shipper has to authorize a person for signing VGM in the shipping document. This authorized person may or may not be part of shipper's organization. Information about the Authorized Person (and its organization) is to be transmitted in a NAD group 8 qualified by **NAD+AM**. This NAD group may include a **CTA+RP** segment transmitting the signature.

Both information about shipper (NAD+SPC) and the responsible person (NAD+AM) are to be transmitted in a **DOC+SHP** group.

DOC+SHP	Document with Shipper's VGM declaration
NAD+SPC	SOLAS responsible party (<i>Shipper on B/L</i>)
NAD+AM	SOLAS Authorized Person
CTA+RP	Signature of the Authorized Person (only under NAD+AM)

Each container’s VGM is to be determined according to SOLAS method 1 or method 2. For each method SOLAS requires usage of certified and calibrated equipment (method 1) or certified procedures (method 2). In both cases determination of VGM is subject to national legislation in the country where it takes place. The shipper may freely choose the method and place for determination of VGM. It can be done in its own organization, it may be ordered at a third party, weighing during transport / at terminal, etc.

Information about the party which actually has determined the VGM is transmitted in a NAD group 8 qualified by **NAD+WPA**.

Dependent on the verification method chosen, the NAD+WPA group is to be transmitted either as part of a **DOC+SM1** or **DOC+SM2** group.

DOC+SM1/SM2	Document/Certificate about VGM determination (<i>for example a “weighing slip”</i>)
NAD+WPA	Party who has determined the VGM (only under DOC+SM1/SM2)
NAD+OB	Party who ordered the VGM determination (only under DOC+SM1/SM2)

SOLAS requires VGM documentation to become part of the shipping documentation. This does not imply that each party needs to be aware about the documentation. Instead of transmitting VGM documentation as part of the VERMAS message, the sender may transmit a reference to a party hosting the VGM documentation – if mutually agreed.

The documentation reference is transmitted in a **DOC+DRF** group. The party holding the documentation is identified by a **NAD+WC** segment in this group.

DOC+DRF	Reference to container’s VGM documentation (<i>to inform the recipient where the full VGM declaration is available upon request. The sender does not want to disclose the identity of the shipper</i>)
NAD+WC	Party holding the VGM documentation

4.7 Transmission of Signatures in VERMAS

Edifact messages do not provide means to characterize data as *signatures* with their special impact in business world. The SOLAS regulations consider this fact and allow a signature to be transmitted “by the name of the responsible person in capital letters”.

In VERMAS a person’s name may be transmitted in a NAD segment although there is no signed documentation available yet. Thus, it has been defined that a *name in capital letters* may only be considered as signature, if it is transmitted in segment position 00290 by **CTA+RP+:NAME’**.

Example:

Example 4.7-1 When a name in capital letters is interpreted as signature

Edifact	Comment
DOC+SHP:VGM:306:SHIPPER INFO+SHP-DOC-ID-10000’	Shipper’s VGM declaration
NAD+SPC+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE’	Shipper’s company name and address
NAD+AM+++ JOHN P. SMITH :C/O A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE’	Name/address of shipper’s authorized person – Name is <u>not</u> considered as signature
CTA+RP+:JOHN P. SMITH ’	Name is considered as signature

In CTA-group 9 the qualifier RP (responsible person) shall only be used for signatures. In any other case, when CTA-group 9 is used for contact address or communication contacts of parties or individuals, qualifier BM (certification contact) shall be used.

4.7.1 Transmitting Signatures without Disclosure of the Party

Carriers usually don't want to disclose the identity of the shipper to other stakeholders in the transportation process. This principle might even be required by the authorities. – On the other hand, some parties might accept a VGM declaration only, if it is signed by an authorized person.

VERMAS allows for omitting any name and address details in NAD segments. Thus, just the fact that a signature exists can be transmitted by a DOC group:

Example 4.7-2 Transmitting signature without disclosure of party's identity

Edifact	Comment
DOC+SHP:VGM:306:SHIPPER INFO+SHP-DOC-ID-10000'	Shipper's VGM declaration
NAD+AM'	Empty NAD group trigger segment for authorized official
CTA+RP+: NAME IN CAPITAL LETTERS'	signature

In this case the authorized person's name is transmitted, but neither company's identity nor address of the authorized person. By this information the message recipient is informed that a correctly signed VGM declaration is available. A DOC+DRF group may inform the recipient where the full VGM declaration is available.

5 Use Cases and Examples

Use cases described in this chapter shall be implemented in the way as specified here.

9 different use case have been selected in order to exemplify variants of usage for VERMAS' message structure and data elements. For each of these use cases it will be indicated which information is to be transmitted and according examples are provided.

Table 1

No	Sender	Receiver	Use Case Details
1	Shipper	Carrier	The Shipper has determined the VGM himself using method 1 or 2
2	Forwarder	Carrier	A Forwarder (authorized by Shipper) reports to Carrier. 3rd party has weighed, as instructed by the forwarder using method 1 or 2
3	Shipper	Carrier	A 3rd party will determine the weight later, the shipper only reports his responsibility
4	Weighing Station	Shipper	The Shipper had ordered the weighing at the Weighing facility
5	Weighing Station	Carrier	The shipper had ordered the weighing and authorized the weighing station to report directly to the carrier
6	Terminal	Carrier	The terminal has re-weighed the container because the originally specified VGM was put in doubt
7	Terminal	Carrier	The container was re-weighed and the terminal reports two different weights determined at different points in time.
8	Carrier	Terminal	The standard information channel for providing VGM data to the terminal
9	Carrier	Shipper	Carrier has got knowledge of a weight (e.g. from Terminal) that he forwards to the Shipper

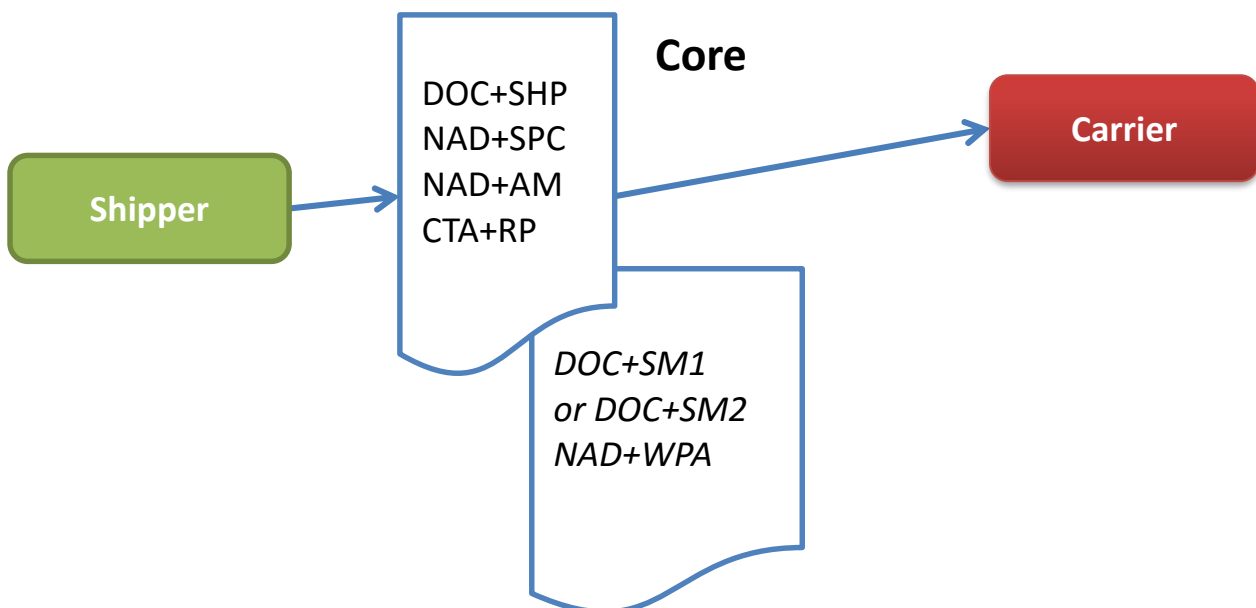
5.1 Use Case 1: Shipper to Carrier - The Shipper has determined the VGM himself using method 1 or 2

Core information in this use case:

- Message sender (might be different from shipper)
- Container ID
- Verified Gross Mass
- SOLAS shipper (party)
- Authorized person at shipper including its signature
- Method used for determining VGM and applying party

Dependent on business agreements it might be advisable to transmit additional information:

- Carrier's booking number
- Contact details of authorized person and or shipper
- Verification date
- Seal number
- Shipper's internal reference
- Vessel / voyage identification





Example for use case 1: The shipper has already determined VGM by himself using method 2 and sends full VGM documentation to the carrier.

Example 5.1-1 Shipper to carrier (1) -full example

Edifact	Comment
NAD+CZ+816265:INTTRA:ZZZ'	Message issued by shipper (consignor) Identified in coded form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI:A456C'	Shipper's internal ID
LOC+85+PHSJI'	Cargo final destination
LOC+9+DEHAM'	Port of loading
SEL+ZYZ234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798:201508151527:203'	Local time and time zone when VGM was determined
TDT+20+567N34+1+++HLC:LINES:306+++:::ABC EXPRESS'	Vessel, vessel operator, import voyage ID
RFF+VON:568S38'	Export voyage ID
DOC+SHP:VGM:306+SHP-DOC-ID-10000'	DOC → Shipper's VGM declaration with ID
NAD+SPC+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE'	Shipper's company name and address
CTA+BN+DESPATCH DEPT'	Shipper's VGM contact reference
COM+VGM(A)A1LTD.COM:EM'	e-mail contact
COM+?+49-987-654321-87:TE'	Phone contact
COM+A1 LTD, DISPATCH DEPT; POBOX 1000;90000 C CITY;GERMANY:MA'	Postal mail contact
NAD+AM+++JOHN P. SMITH:C/O A1 LTD+B1 STREET 100:PO BOX 1000 +C CITY++90000+DE'	Shipper's authorized person
CTA+RP+: JOHN P. SMITH'	signature by authorized person
DOC+SM2:VGM:306+SM2-BY SHP-DOC-ID20000'	DOC → Method 2 certificate with ID
DTM+798:201508151527:203'	DTM when VGM has been determined
DTM+137:201508151732:203'	DTM when VGM certificate has been issued
NAD+WPA+++A1 LTD:DESPATCH DEPT+C2 STREET 22:PO BOX 8927 +D CITY++22387+DE'	Weighing party (here the shipper itself but at different address)
CTA+BN+:KARL SCHNEIDER'	Weighing party's executing person
COM+DESPATCH.VGM(A)A1LTD.COM:EM'	e-mail contact
COM+?+49-987-654321-87:AM'	Phone contact
	No signature



Example 5.1-2 Shipper to carrier (use case 1) –full message minimal example

Edifact	Comment
UNB+UNOA:2+SENDER-ID+RECEIVER-ID+160427:0428+26125'	
UNH+26125+VERMAS:D:16A:UN:SMDG10'	
BGM+749+98765432000+9'	Original message
DTM+137:201604291400:203'	Creation date/time
NAD+CZ+++A1 LTD+B1 STREET 100+MUNICH+++DE'	Message sent by consignor
EQD+CN+HLXU1234567+42G1+++5'	Container ID
RFF+SI:A456C'	Shipper's internal ID
RFF+BN:112233-01'	Carrier's booking number
MEA+AAE+VGM+KGM:21548'	VGM
DOC+SHP:VGM:306+A456C-VGM'	Declaration by shipper
NAD+SPC+++A1 LTD+B1 STREET 100+MUNICH+++DE'	Shipper party information
NAD+AM+++JOHN SMITH:A1 LTD++MUNICH'	Shipper – authorized person
CTA+RP+:JOHN P. SMITH'	Signature by authorized person
COM+JOHN-P-SMITH(A)A1LTD.COM:EM'	Email address of auth. person
DOC+SM1:VGM:306+A456C-SM1'	Declaration of weight verification
DTM+798:20160427:102'	Date of verification (no time)
NAD+WPA+++++++DE'	Weighing under German legislation
UNT+16+26125'	
UNZ+1+26125'	

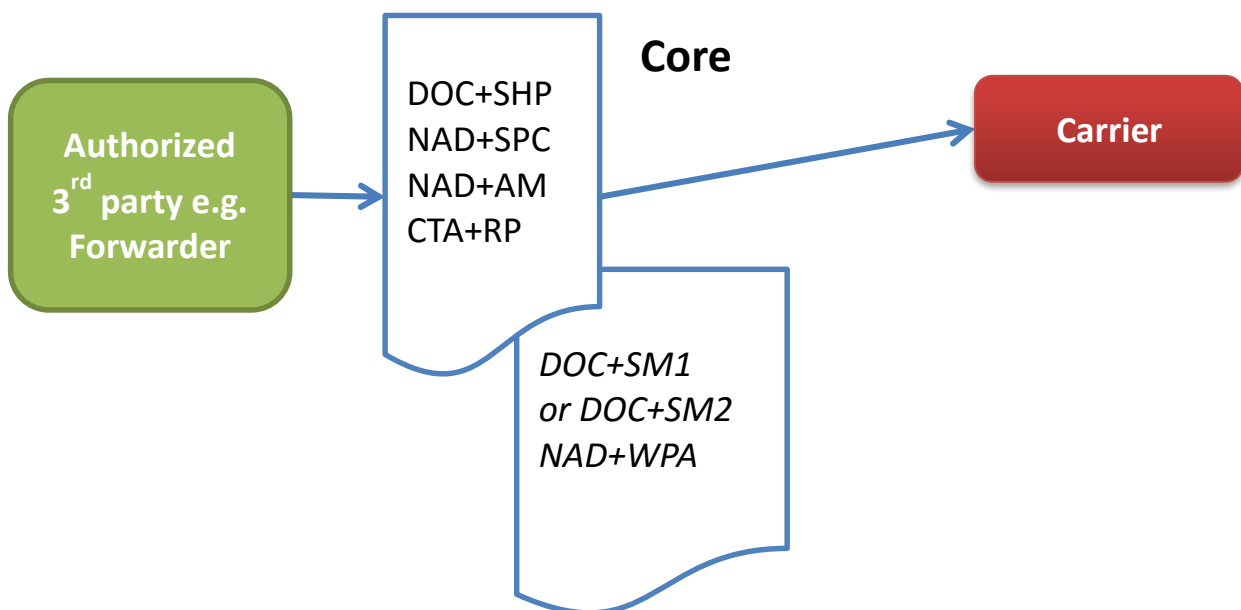
5.2 Use Case 2: Forwarder (authorized by Shipper) to Carrier - 3rd party has weighed, as instructed by the forwarder using method 1 or 2

Core information in this use case:

- Message sender (might be different from shipper)
- Container ID
- Verified Gross Mass
- SOLAS shipper (party)
- Authorized person at shipper including its signature
- Method used for determining VGM and applying party

Dependent on business agreements it might be advisable to transmit additional information:

- Carrier's booking number
- Contact details of authorized person and or shipper
- Verification date
- Seal number
- Shipper's internal reference
- Vessel / voyage identification





Example for use case 2: From **forwarder (on behalf of the shipper) to the carrier**, actual determination of VGM has been done by 3rd party in a different country.

Note: in this use case three different parties are transmitted: shipper (as VGM responsible party), the forwarder in context of the authorized person and the weighing party.

Example 5.2-1 Forwarder to carrier (use case 2)

Edifact	Comment
NAD+FW+32-652-0616::16'	Message issued by forwarder identified by Dun&Breastreet code
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI:A456C'	Shipper's internal ID
LOC+85+PHSJI'	Contract final destination
LOC+9+AUFRE'	Port of loading (AU)
SEL+ZYG234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1+++HLC:LINES:306+++:::ABC EXPRESS'	Vessel, vessel operator, import voyage ID
RFF+VON:568S38'	Export voyage ID
DOC+SHP:VGM:306+SHP-DOC-ID-10000'	DOC → Shipper's VGM declaration as responsible party with ID
NAD+SPC+++A1 LTD+B1 STREET 100:PO BOX 1000 +C CITY++9000+DE'	Shipper's company name and address (DE)
CTA+BN+DISPATCH DEPT'	Shipper's VGM contact reference
COM+VGM(A)A1LTD.COM:EM'	e-mail contact
COM+?+49-987-654321-87:TE'	Phone contact
COM+A1 LTD, DISPATCH DEPT; POBOX 1000;90000 C CITY;GERMANY:MA'	Postal mail contact
NAD+AM+++JOHN P. SMITH:C/O FORWARD LTD +Q STREET 2+D CITY++7000+DE'	authorized person at the forwarder acting on behalf of shipper
CTA+RP+:JOHN P. SMITH'	signature by authorized person
DOC+SM1:VGM:306+SM1-BY EXT-DOC-ID20000'	DOC → Method 1 certificate with ID
DTM+798:201508151527:203'	Local date and time when VGM was determined
NAD+WPA+++A2 WEIGHT LTD+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'	Weighing company's name and address in different country (AU)
CTA+BN+A2 BRANCH NORD'	Weighing company's contact reference
COM+QA(A)A2 WEIGHT.AU:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+ A2 WEIGHT LTD; POBOX 2000;6159 PERTH;AUSTRALIA:MA'	Postal mail contact
	(NO signature of weighing certificate transmitted)



5.3 Use Case 3: Shipper to Carrier

3rd party will determine the weight later, the shipper only reports his responsibility

In this use case the VGM has not yet been determined. It is intended to be done during transport to the terminal or by the terminal itself.

Core information in this use case:

- Message sender (might be different from shipper)
- SOLAS shipper (party)
- Authorized person at shipper including its signature

Dependent on business agreements it might be advisable to transmit additional information:

- Container ID
- approximate Gross Mass
- Carrier's booking number
- Contact details of authorized person and or shipper
- Seal number
- Shipper's internal reference
- Vessel / voyage identification

Example for use case 3: From **shipper to carrier**, actual determination of the VGM is not yet performed but will be done by 3rd party. The shipper only declares his responsibility.

Example 5.3-1 Shipper to carrier (3)

Edifact	Comment
NAD+CZ+816265:INTTRA:ZZZ'	Message issued by shipper (consignor) Identified in coded form
...	
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI:A456C'	Shipper's internal ID
LOC+85+PHSJJ'	Cargo final destination
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading (AU)
SEL+ZYX234'	Seal number
MEA+AAE+AET+KGM:21548'	Approx. gross mass
TDT+20+567N34+1++HLC:LINE:306+++::ABC EXPRESS'	Vessel, vessel operator, import voyage ID
RFF+VON:568S38'	Export voyage ID
DOC+SHP:VGM:306'	DOC → Shipper's VGM declaration
NAD+SPC+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE'	Shipper's company name and address (DE)
CTA+BN+:DESPATCH DEPT'	Shipper's VGM contact reference
COM+VGM(A)A1LTD.COM:EM'	e-mail contact
COM+?+49-987-654321-87:TE'	Phone contact
COM+DESPATCH DEPT; POBOX 1000;90000 C CITY;GERMANY:MA'	Postal mail contact
NAD+AM+++JOHN P. SMITH:C/O A2 WEIGHT LTD+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'	Shipper's authorized person
CTA+RP+:JOHN P. SMITH'	signature by authorized person

5.4 Use Case 4: Weighing Station to the Shipper - The Shipper had ordered the weighing at the Weighing facility

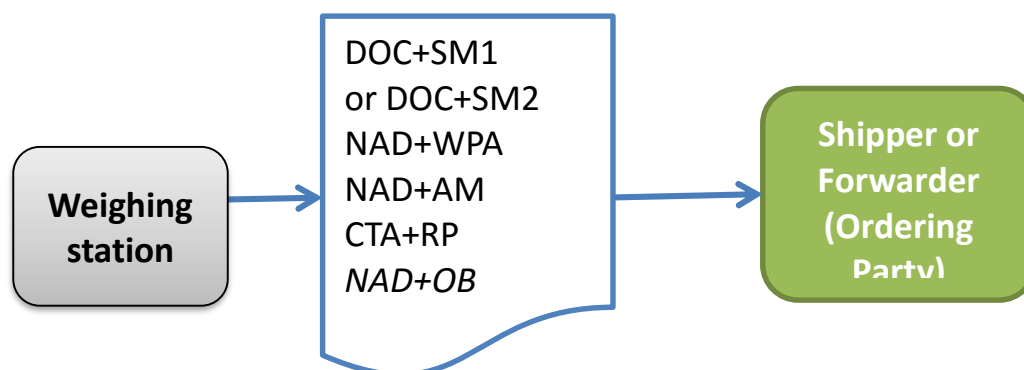
The weighing station could for example be located at an inland terminal, a container packing station, at an ocean terminal or along the road.

Core information in this use case:

- Message sender
- Container ID
- Verified Gross Mass
- Weighing method (1 or 2)
- Weighing party
- Date of weighing
- Unique weighing reference ID

Dependent on business agreements it might be advisable to transmit additional information:

- Seal number
- Authorized person at weighing party including its signature
- Contact details of authorized person
- Shipper's internal reference (or carrier's booking number)
- Ordering party



Example for use case 4: From **weighing station to shipper**. No VGM information about shipper transmitted because he is the receiver.

Example 5.4-1 Weighing station to shipper

Edifact	Comment
NAD+WPA+++DPW FREMANTLE++PERTH++6159+AU'	Message issued by weighing station Identified in structured NAD form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
	Carrier's booking number not known
RFF+SI:A456C'	Shipper's internal ID
LOC+9+AUFRE'	Port of loading
SEL+ZYX234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DOC+SM1:VGM:306:WEIGHING CERTIFICATE+SM1-BY EXT-DOC-ID-20000'	DOC → Method 1 certificate with ID
DTM+798:201508151527:203'	Determination DTM
DTM+137:201508151732:203'	Certificate issuing DTM
NAD+WPA+++DPW FREMANTLE+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'	Weighing company's name and address
CTA+BN+:DPW FREMANTLE OPS'	Weighing company's contact reference
COM+FREMANTLE.OPS(A)DPWORLD.COM:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+DPWORLD FREMANTLE; POBOX 2000;6159 PERTH;AUSTRALIA:MA'	Postal mail contact
NAD+AM+++JIM DUNN:DPW FREMANTLE+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'	name and address of responsible person at weighing station
CTA+RP+:JIM DUNN'	his signature

Note: The VGM certificate was issued 2 hours later than actual determination of VGM.

5.5 Use Case 5: Weighing Station to the Carrier - Shipper had ordered the weighing and authorized the weighing station to report directly to the carrier

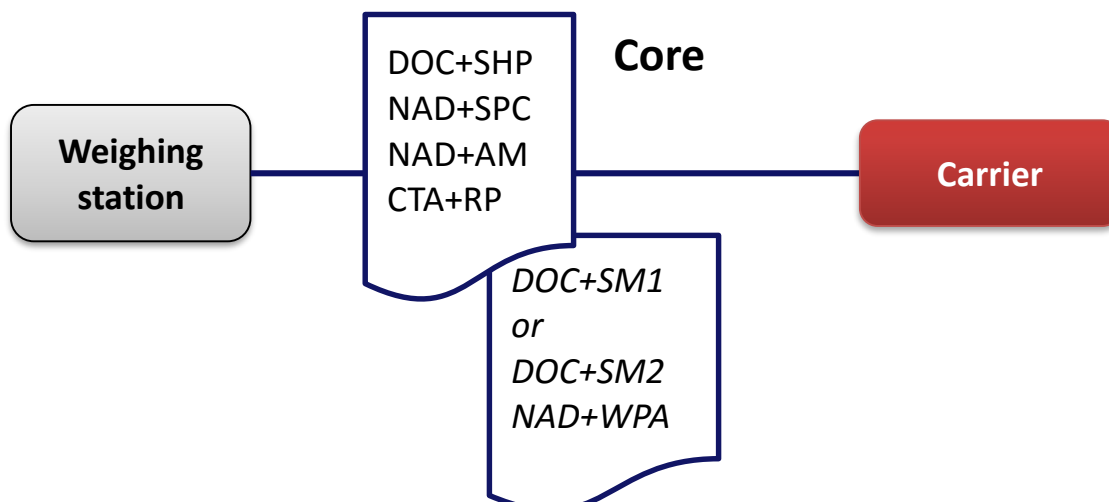
The Shipper has agreed with the Carrier that the weight reported by the weighing station shall be considered as the VGM. The weighing station could be the ocean terminal as well as an inland terminal or along the road.

Core information in this use case:

- Message sender
- Container ID
- Verified Gross Mass
- Weighing party
- Authorized person at weighing party including its signature
- Weighing method (1 or 2)
- Date of weighing
- Unique weighing reference ID
- Carrier's booking number
- SOLAS responsible party on whose behalf weighing took place

Dependent on business agreements it might be advisable to transmit additional information:

- Seal number
- Contact details of authorized person at weighing station
- Shipper's internal reference
- Ordering party



Example for use case 5: From **weighing station to carrier**.

The shipper has authorized a person at the weighing station to sign the VGM declaration on his behalf. Although the message is sent by the weighing station, this signature is transmitted in the DOC+SHP group. The DOC+SM1 group indicates weighing method, date/time of weighing and documentation and contact information of the weighing party.

Example 5.5-1 Weighing station to the carrier

Edifact	Comment
NAD+WPA+++A2 WEIGHT LTD++PERTH++6159+AU'	Message issued by weighing station Identified in structure NAD form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Carrier's booking number
RFF+SI:A456C'	Shipper's internal ID
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
SEL+ZYX234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DOC+SHP:VGM:306+SHP-DOC-ID-10000'	DOC → Shipper's VGM declaration with ID
NAD+SPC+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE'	Shipper's company name and address (DE)
NAD+AM+++JIM DUNN:C/O A2 WEIGHT LTD+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'	authorized person at the weighing station acting on behalf of shipper
CTA+RP+:JIM DUNN'	signature
DOC+SM1:VGM:306:WEIGHING CERTIFICATE+ SM1-BY EXT-DOC-ID-20000'	DOC → Method 1 certificate with ID
DTM+798:201508151527:203'	Determination DTM
DTM+137:201508151732:203'	Certificate issuing DTM
NAD+OB+++A1 LTD+B1 STREET 100:PO BOX 1000+C CITY++9000+DE'	Party who ordered the weighing
NAD+WPA+++A2 WEIGHT LTD+B2 STREET 10:PO BOX 2000+PERTH++6159+AU'	Weighing company's name and address
CTA+BN+A2 BRANCH NORD'	Weighing company's contact reference
COM+QA(A)A2 WEIGHT.AU:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+A2 WEIGHT LTD; POBOX 2000;6159 PERTH;AUSTRALIA:MA'	Postal mail contact

Note: The VGM certificate was issued 2 hours later than actual determination of VGM.



5.6 Use Case 6: Terminal to the Carrier - the terminal has re-weighed the container because the originally specified VGM was put in doubt

A similar case might occur if the terminal had to open the container due to some damage, leakage, etc. and has re-weighed the container.

Core information in this use case:

- Message sender
- Container ID
- Verified Gross Mass
- Weighing party
- Date of weighing
- Carrier's booking number
- Seal number

Dependent on business agreements it might be advisable to transmit additional information:

- Unique weighing reference ID
- Contact details
- Port of loading
- Port of discharge
- Vessel name, voyage number

Example for use case 6: From **terminal to carrier** in order to inform the carrier about a new VGM.

Example 5.6-1 Terminal to carrier – re-weighing

Edifact	Comment
NAD+TR+++DPW FREMANTLE'	Message issued by terminal Identified in structured form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNL'	Port of discharge
SEL+ZYX234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1++HLC:LINE:306+++:::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
DOC+SM1:VGM:306+SM1-BY TRM-DOC-ID-20000'	DOC → Method 1 certificate with ID
DTM+798:201508151527:203'	Determination DTM
NAD+WPA+++DPW FREMANTLE+NORTH BEACH ROAD+NORTH FREMANTLE++WA6159+AU'	Weighing company's (terminal) name and address
CTA+BN+DPW FREMANTLE'	Weighing company's contact reference
COM+QA.FREMANTLE(A)1-STOP.BIZ:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+DPW; PORT BEACH ROAD 1;NORTH FREMANTLE WA 6159;AUSTRALIA:MA'	Postal mail contact
NAD+AM+++PAUL COX:C/O DPW+PORT BEACH ROAD 1+NORTH FREMANTLE++WA 6159+AU'	Weighing party's (terminal's) responsible person
	NO signature by authorized person



Example 5.6-2 Terminal to carrier – Full message with minimal data for re-weighing

Edifact	Comment
UNB+UNOA:2+SENDER-ID+RECEIVER-ID+160427:0428+26125'	
UNH+26125+VERMAS:D:16A:UN:SMDG10'	
BGM+749+98765432000+9'	Original message
DTM+137:201604291400:203'	Creation date/time
NAD+TR+++DPW FREMANTLE'	Message issued by terminal Identified in structured form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNL'	Port of discharge
SEL+ZYG234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1++HLC:LINES:306+++:::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
DOC+SM1:VGM:306'	DOC → Method 1 certificate
DTM+798:201508151527:203'	Determination DTM
NAD+WPA+++DPW FREMANTLE+NORTH BEACH ROAD+ NORTH FREMANTLE++WA6159+AU'	Weighing company's (terminal) name and address
NAD+AM+++PAUL COX'	Weighing party's (terminal's) responsible person
	NO signature by authorized person
UNT+17+26125'	
UNZ+1+26125'	

5.7 Use Case 7: Terminal to the Carrier - Container was re-weighed and the terminal reports two different weights

This is a variant of use case 6 when the terminal reports the previous (invalidated) VGM in addition to its actual value.

Core information in this use case:

- Message sender
- Container ID
- Weighing party
- Actual Verified Gross Mass and newest date of weighing
- Previous VGM and earlier date of weighing
- Carrier's booking number
- Seal number

Dependent on business agreements it might be advisable to transmit additional information:

- Unique weighing reference ID
- Contact details
- Port of loading
- Port of discharge
- Vessel name, voyage number

Example for use case 7: From **terminal to carrier**, re-weighing. New SM1 documentation is transmitted. Earlier reported and newly determined gross mass are both transmitted.

Example 5.7-1 Terminal to carrier – re-weighing, old and new gross mass reported

Edifact	Comment
NAD+TR+SCT:TERMINALS:306'	Message issued by terminal Identified in coded form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNL'	Port of discharge
SEL+ZYZ234'	Seal number
MEA+AAE+VGM+KGM:17900'	Original Verified gross mass put in doubt
DTM+798:201508120811:203'	Old DTM
MEA+AAE+VGM+KGM:21548'	Verified gross mass (new)
DTM+798:201508151527:203'	New determination DTM 3 days later
TDT+20+567N34+1+++HLC:LINES:306+++:::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
DOC+SM1:VGM:306:WEIGHING CERTIFICATE+ SM1-BY TRM-DOC-ID-200001'	DOC → Method 1 certificate with new ID
DTM+798:201508151527:203'	Determination DTM
DTM+137:201508151732:203'	Certificate issuing DTM
NAD+WPA+++DPW FREMANTLE+NORTH BEACH ROAD+NORTH FREMANTLE++WA6159+AU'	Weighing company's (terminal) name and address
CTA+BN+DPW FREMANTLE'	Weighing company's contact reference
COM+QA.FREMANTLE(A)1-STOP.BIZ:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+ DPW; PORT BEACH ROAD 1;NORTH FREMANTLE WA 6159;AUSTRALIA:MA'	Postal mail contact
NAD+AM+++PAUL COX'	Weighing party's (terminal's) responsible person
	NO signature by authorized person



5.8 Use Case 8: Carrier to Terminal - Standard information channel

The terminal has to be informed about the VGM.

Core information in this use case:

- Message sender
- Container ID
- Verified Gross Mass
- Carrier's booking number

Dependent on business agreements it might be advisable to transmit additional information:

- Reference to VGM documentation
- SOLAS VGM responsible party
- Signature of responsible person
- Date of weighing
- Unique reference ID for weighing
- SOLAS method of VGM determination (1 or 2)
- Seal number
- Port of loading
- Port of discharge
- Vessel name, voyage number

Example for use case 8, variant 1: From **carrier to terminal**, standard process. No details about VGM documentation are transmitted.

Example 5.8-1 Carrier to terminal – without any VGM documentation

Edifact	Comment
NAD+CA+MSK:LINES:306'	Message issued by carrier Identified in coded form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNN'	Port of discharge
SEL+ZYX234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1+++HLC:LINES:306+++::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
	No DOC groups

Example for use case 8, variant 2: From **carrier to terminal**, standard process. No details about VGM documentation are transmitted, but a reference to the documentation is provided. In this example the documentation is available at the carrier's office in Singapore.

Example 5.8-2 Carrier to terminal – with reference to VGM documentation

Edifact	Comment
NAD+CA+MSK:LINES:306'	Message issued by carrier Identified in coded form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNN'	Port of discharge
SEL+ZYX234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1+++HLC:LINES:306+++::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
DOC+DRF:VGM:306:VGM DOCUMENTATION REFERENCE+VGM-DOC-REF-ID-30000'	DOC → VGM documentation reference with ID
NAD+WC+++HL ASIA+B3 STREET 21:PO BOX 3000+SINGAPORE++6159+SG'	Party holding the documentation
CTA+BN+BOOKING DEPT-VGM'	Party's contact reference
COM+ASIA-VGM(A)HLAG.COM:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+HAPAG LLOYD ASIA; VGM REF; POBOX 2000;6159 SINGAPORE;SINGAPORE:MA'	Postal mail contact

Example for use case 8, variant 3: From **carrier to terminal**, receiver is obliged to accept VGM declarations only when signed and/or country under whose legislation verification took place are specified. This information is transmitted in addition to the VGM documentation reference without disclosing party details of shipper and party who determined VGM (according to method 1 in the example).

Example 5.8-3 Carrier to terminal – with demanded VGM documentation in minimal extent

Edifact	Comment
NAD+CA+MSK:LINES:306'	Message issued by carrier Identified in coded form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:112233-ABC'	Booking number
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNN'	Port of discharge
SEL+ZYX234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1++HLC:LINES:306+++::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
DOC+SHP:VGM:306:SHIPPER INFO+SHP-DOC-ID-10000'	DOC → Shipper's VGM declaration with ID
NAD+AM'	Shipper's authorized person
CTA+RP+:JOHN P. SMITH'	signature by authorized person
DOC+SM1:VGM:306:METHOD1 CERTIFICATE+SM1-BY TRM-DOC-ID-20000'	DOC → Method 1 certificate with ID
NAD+WPA+++++AU'	Nationality under whose legislation Method1 has been applied
	No other details about party or responsible person who determined VGM

Address information from shipper and weighing party are not disclosed. Only the signature and country are transmitted. By transmission of the signature the sender indicates that the document has been signed by an authorized person.

5.9 Use Case 9: Carrier to the Shipper - Carrier has got knowledge of a weight (e.g. from Terminal) that he forwards to the Shipper

The weighing party has sent the documentation of the VGM to the carrier and it will now be forwarded to the shipper. This use case has to be applied whenever a re-determination of the VGM takes place. Potential reasons for re-determination are: the seal was broken, the container had to be opened during transport, the declared VGM was put in doubt, etc.

Core information in this use case:

- Message sender
- Container ID
- Verified Gross Mass
- Date of weighing
- Weighing party
- Carrier's booking number
- Shipper's internal reference number

Dependent on business agreements it might be advisable to transmit additional information:

- Unique reference ID for weighing
- Seal number
- Port of loading
- Port of discharge
- Vessel name, voyage number

Example for use case 9:

From **carrier to shipper**, carrier informs shipper about new VGM information received from terminal. The updated VGM information is identical as received by carrier from terminal in use case 7.

Example 5.9-1 Carrier to shipper

Edifact	Comment
NAD+CA+HLC:LINES:306'	Message issued by carrier Identified in coded form
EQD+CN+HLXU9876543+42G1+++5'	Container ID and type
RFF+BN:123456'	Booking number
RFF+SI:A456C'	Shipper's internal ID
LOC+9+AUFRE+CONFR:TERMINALS:306'	Port of loading
LOC+11+PHMNL'	Port of discharge
SEL+ZYG234'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
TDT+20+567N34+1+++HLC:LINES:306+++:::ABC EXPRESS'	Vessel, vessel operator, import voyage
RFF+VON:568S38'	Export voyage
DOC+SM1:VGM:306:WEIGHING CERTIFICATE+SM1-BY TRM-DOC-ID-200001'	DOC → Method 1 certificate with new ID
DTM+798:201508151527:203'	date/time when VGM determined
DTM+137:201508151732:203'	Certificate issuing DTM
NAD+WPA+++DPW FREMANTLE+NORTH BEACH ROAD+NORTH FREMANTLE++WA6159+AU'	Weighing company's name and address
CTA+BN+DPW FREMANTLE'	Weighing company's contact reference
COM+QA.FREMANTLE(A)1-STOP.BIZ:EM'	e-mail contact
COM+?+61-08-543210:TE'	Phone contact
COM+DPW; PORT BEACH ROAD 1;NORTH FREMANTLE WA 6159;AUSTRALIA:MA'	Postal mail contact
NAD+AM+++PAUL COX:C/O DPW+PORT BEACH ROAD 1+NORTH FREMANTLE++WA 6159+AU'	Responsible person at weighing party
	no signature

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