
The SOLAS Container Weight Verification Requirement

VERMAS **VERIFICATION OF MASS**



Port de Barcelona

**GUIDELINE FOR THE UN/EDIFACT
D16A VERMAS MESSAGE**

Version 1.4

Message:	VERMAS
Version:	1.4
Date:	February 2017
Source:	<i>Port de Barcelona</i>



CHANGE CONTROL

Version 1.4 (February 2017). Container terminals have to know who is the shipper for billing it when they receive, the VGM informative message (use case nº 8), later than they expect.

Version 1.3 (June 2016) Due to some changes in the national legislation (15th June 2016) the following changes have been applied in the use case 8 (VGM communication between carrier and terminal):

- Verification date in segment DTM (Group 5) changes from required to optional.
- Method used for weighing the container in segment DOC (Group 7) changes from required to optional.

Version 1.2 (June 2016) introduces the following changes:

This message implementation guide is based on EDIFACT VERMAS message from D16A.

Code “749” is used in DE1001 from segment BGM, instead of code “XXX” that was used before the publication of EDIFACT Directory D16A. All the examples that used code “XXX” have been changed to the new code “749”.

Due to some changes in the national legislation, now the references to the weighing equipment are not mandatory and, in order to maintain the compatibility with the applications developed, the transmission of the weighing equipment identification is optional now.

In a weighing order message (“127” in DE1000 of segment BGM), always have to be sent the container identification or a container reference number. And, in a VGM notification message (“749” in DE1000 of segment BGM) the container identification is always required, being optional its container reference number.

The shipper information that was not included in use cases from 10th to 13th now can be declared but it is optional.

The data element C503 in segment DOC (group 7) changes from required to optional.

Version 1.1 (May 2016) introduces the following changes:

This message implementation guide is based on VERMAS MIG v.0.5 from SMDG.

According to v0.5 of the SMDG VERMAS MIG, the “Submitter” of the message (code “TB”) has been included in segment NAD (group 2).

It has also been included carrier details in segment NAD (group 2) (code “CA”).

According to the minimum information that is required in the national legislation in the documents from shipper to carrier, it has been included:

- the use of data elements C059, 3164, 3251 and 3207 of segment NAD (group 2) to inform about the addresses of the submitter and the shipping agent.
- the identification of the weighing equipment used (new use of segment RFF in group 4 with qualifier “AGP”)



- a disclaimer in segment DOC (group 7) indicating that, if the method used to obtain the verified gross mass (method 1 or 2) is included in that segment, it is equivalent to declaring that the equipment meets the requirements specified in national legislation for those weighing equipment. And if method 2 is indicated, it is stating that the requirements of national law are met in order to use that method.

Previous version includes some segments that are unnecessary in our Port, or segments with information duplicated in other segments, so:

- Shipper's identifying number for shipment, SI use of segment RFF in group 1 (because the same information is in segment RFF of group 4);
- Bill of lading number, BM use of segment RFF (group 4);
- segment DTM (group 7) has been removed, because part of this information was also in segment DTM (at header level) and part at the DTM segment in group 5;
- the DRF use of segment DOC (group 7);
- the OB use of segment NAD (group 8);
- the WC use of segment NAD (group 8) and
- in segment NAD (group 8) have been removed the following data elements and codes:
 - C819 Country subdivision details
 - 4 repetitions of data element 3036 (only one could be used)
 - 3 repetitions of data element 3042 (only one could be used)
 - In data element 1131 of composite element C082 code INTTRA has been removed
 - In data element 3055 of composite element C082 code GS1 has been removed

A lot of changes have been introduced in chapter "Use cases and examples":

1. There are three new use cases:
 - Use case 11: Shipper orders the weighing to the carrier
 - Use case 12: Shipper orders the weighing to the weighing station
 - Use case 13: Carrier orders the weighing to the weighing station
2. There is a new table with the information that must and can be exchanged in each use case.

Version 1.0 (March 2016) was the first version.



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GENERAL INTRODUCTION

This MIG is based on the v1.0 of the VERMAS MIG (21th June 2016) developed by the SMDG and message VERMAS from the EDIFACT Directory D16A.

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.

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.

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.

PRINCIPLES

- VERMAS incorporates information on the Verified Gross Mass (VGM) of a packed container, the time, place and method of obtaining 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 obtained 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 only mandatory information in the message is on the container and on the VGM. All other information is optional and transmission depends on the role of sender and receiver in the transport chain. It is essential that sender and receiver agree on the information and references to be transmitted.
- 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.
- Dependent on nature of cargo further attributes such as temperature control, identification of dangerous goods, non-standard dimensions, handling requirements may be added.

PARTICULARITIES OF THE MIG FOR THE PORT OF BARCELONA

- 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 and additionally permits to send a weighing order to an operator of a container weighing facility (it could be a maritime terminal)
- The association among several messages that are related to the same communication of the VGM information between two parties will be based in the use of the same reference in all the messages. For that purpose, the “Sender's reference to the original message” (code “AGO”) declared in segment RFF from group 1 will be the same in all the messages used for the same communication of the VGM of a container (the original message, modifications and even the cancellation).
- In order to link the VERMAS message with the other documentary transactions associated to a loading operation on a vessel, the booking number and the shipping agent always have to be declared.
- DE8169 of segment EQD will not be used in the MIG for the Port of Barcelona because all containers have to be full (empty containers are out of the scope of this procedure).
- Two new codes have been included in data element 1153 of segment RFF (group 4)
 - **SQ** *Equipment sequence number (reference assigned to the container before the container number was known)*
 - **VOR** *Transport equipment gross mass verification order reference*
Reference number identifying the order for obtaining a Verified Gross Mass (weight) of packed transport equipment as per SOLAS Chapter VI, Regulation 2, paragraphs 4-6.
- Segment LOC from Group 4 will not be used in the MIG for the Port of Barcelona. The information related to the locations related to container's transport chain will be transmitted using other container messages (i.e. acceptance orders or loading lists).
- Only the code “VGM” (Verified gross mass - transport equipment verified gross weight) will be accepted in DE6313 of segment MEA because the VERMAS will be sent only when the VGM has to be communicated between two parties.



- When, in a data element that is included in the MIG maintained by SMDG, there are several codes that are not used in the MIG for the Port of Barcelona, those codes will be marked in **blue color** and ~~crossed out~~.
- When the Port of Barcelona has added a new use for a segment, or a new code in a data element (not included in the MIG maintained by SMDG), it will be marked in **red color**.



STATUS INDICATORS AND USAGE INDICATORS

Status Indicators

Status Indicators (M and C) form part of the UN/EDIFACT standard and indicate a minimum requirement to fulfil the needs of the message structure.

The Status Indicators are:-

<i>Value</i>	<i>Description</i>
M	Mandatory This entity must appear in all messages. Shown as Usage Indicator "M" in Implementation Guidelines.
C	Conditional This entity is used by agreement between the parties to the transaction.

A 'Conditional' Status Indicator may be represented by a supporting Usage Indicator which is either R, O, D or X (see below)

Usage Indicators

Throughout this document reference is made to indicators (M, R, D, O and X) which are shown adjacent to data items and which dictate for the particular message or set thereof the agreed usage of the data items or entities.

Set out below are the indicators and their respective uses:-

<i>Value</i>	<i>Description</i>
M	Mandatory Indicates that this item is mandatory in the message.
R	Required Indicates that this entity must be sent in this implementation.
D	Dependent Indicates that the use of the entity depends upon a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
O	Optional Indicates that this entity is at the need or discretion of the sender of the message.
X	Not Used Indicates that the entity is not to be used in this message implementation.

Where an element within a composite is marked "M" or "R", but the composite has been marked "O" or "D", this indicates that the element must always be transmitted only if the composite is used.

Temporary codes

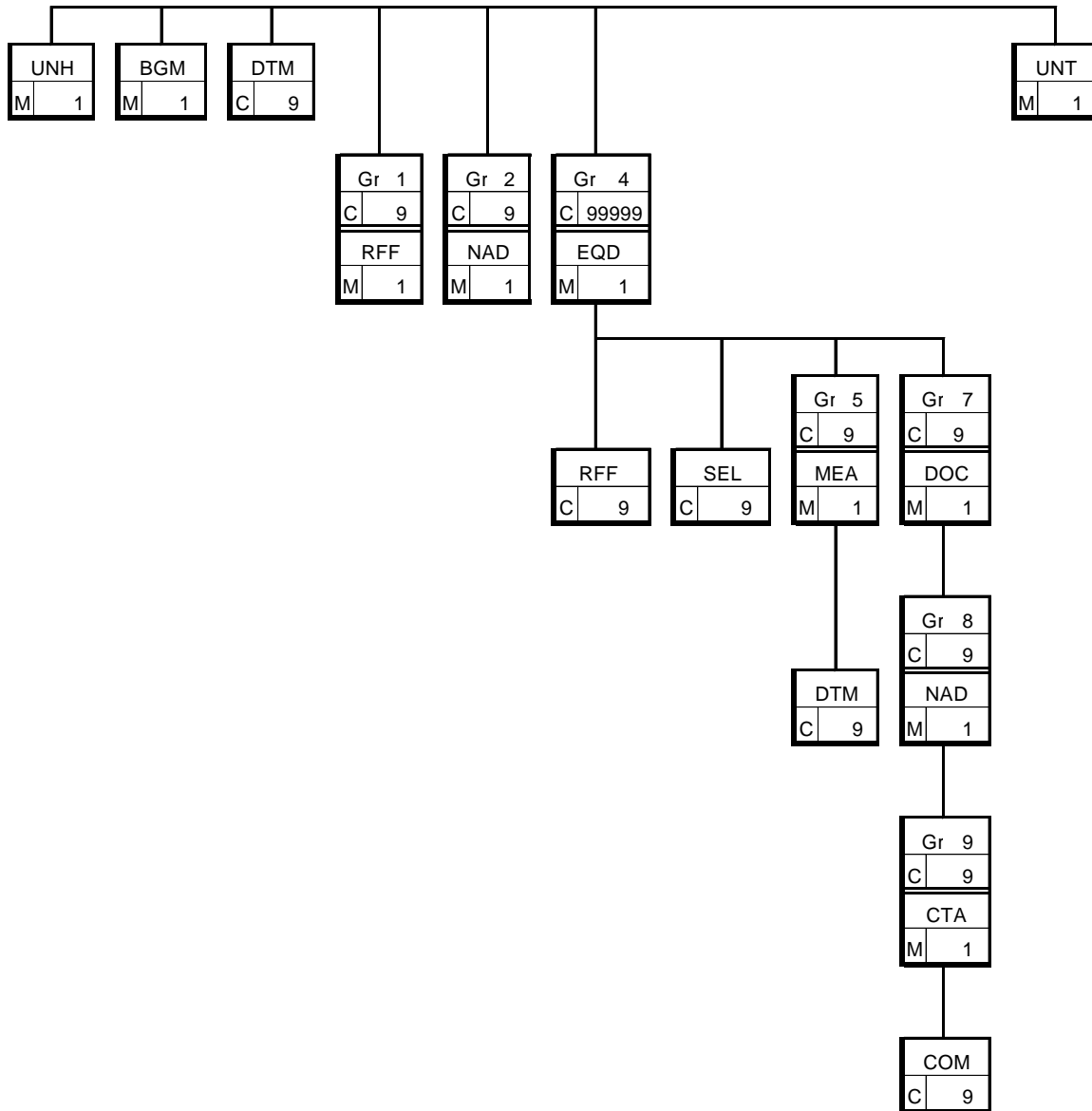
In this implementation there are used some codes that are not included in the UNCL. These are temporary codes. When those codes are used, they are between the "[" and the "]" characters.

**SEGMENT TABLE**

MIG	Pos.	Seg.	UsageNo.	ID	Name	Directory		Group
						Usage	Max.Use	Repeat
M	00010	UNH			Message Header	M		1
M	00020	BGM			Beginning of Message	M		1
R	00030	DTM			Date/Time/Period	C		1
R	00040				Segment Group 1: RFF-DTM	C		9
M	00050	RFF			Reference	M		1
X	00060	DTM			Date/Time/Period	C		1
R	00070				Segment Group 2: NAD-SG3	C		9
M	00080	NAD			Name and Address	M		1
X	00090				Segment Group 3: CTA-COM	C		9
M	00100	CTA			Contact Information	M		1
X	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
R	00140	RFF			Reference	C		9
X	00150	LOC			Place/Location Identification	C		9
O	00160	SEL			Seal Number	C		9
R	00170				Segment Group 5: MEA-DTM	C		9
M	00180	MEA			Measurements	M		1
D	00190	DTM			Date/Time/Period	C		9
X	00200				Segment Group 6: TDT-RFF	C		9
M	00210	TDT			Transport Information	M		1
X	00220	RFF			Reference	C		9
O	00230				Segment Group 7: DOC-DTM-SG8	C		9
M	00240	DOC			Document/Message Details	M		1
X	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



BRANCHING DIAGRAM (BARCELONA PORT MIG)



**SEGMENTS****HEADER SECTION****M UNH MESSAGE HEADER**

Segment Function: To head and identify the message type and version.

Position: 00010

Message Level: Header

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Usage: UNH+002408123456+VERMAS:D:16A:UN:SMDG10'

Clarification: *The UNH segment must always be sent.*

M	0062	MESSAGE REFERENCE NUMBER		M	1	an..14
			<i>Message Reference Number</i>			
M	S009	MESSAGE IDENTIFIER		M	1	
M	0065	Message Type Identifier		M		an..6
			<i>VERMAS SOLAS verified gross mass</i>			
M	0052	Message Type Version Number		M		an..3
			<i>D</i>			
M	0054	Message Type Release Number		M		an..3
			<i>16A</i>			
M	0051	Controlling Agency		M		an..2
			<i>UN</i>			
O	0057	Association Assigned Code		C		an..6
			<i>[SMDG10] (Version 1.0)</i>			
X	0068	COMMON ACCESS REFERENCE		C	1	an..35
X	S010	STATUS OF THE TRANSFER		C	1	
X	0070	Sequence of transfers		M		n..2
X	0073	First and last transfer		C		a1



M	BGM	BEGINNING OF MESSAGE
Segment Function:	To indicate the type and function of a message and to transmit the identifying number.	
Position:	00020	
Message Level:	Header	
Segment Repeats:	1	
Segment Status:	Mandatory	
Segment Usage:	Mandatory	
Sample Segments:	BGM+749+B002408123456+9'	
Clarification:	<i>The BGM segment must always be sent.</i>	

M	C002	DOCUMENT/MESSAGE NAME	C	1	
M	1001	Document/message name, coded	C		an..3
		749 Transport equipment gross mass verification message			
		Message containing information regarding gross mass verification of transport equipment.			
		127 Transport equipment special service instruction			
		To be used when the receiving party has to weight the container.			
X	1131	Code list identification code	C		an..17
X	3055	Code list responsible agency, coded	C		an..3
X	1000	Document/message name	C		an..35
R	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	1	
R	1004	Document identifier	C		an..70
		Sender's Unique Internal Reference Number			
X	1056	Version identifier	C		an..9
X	1060	Revision identifier	C		an..6
M	1225	MESSAGE FUNCTION, CODED	C	1	an..3
		1 Cancellation			
		5 Replace			
		9 Original (new message)			
X	4343	RESPONSE TYPE CODE	C	1	an..3
X	1373	DOCUMENT STATUS CODE	C	1	an..3
X	3453	LANGUAGE NAME CODE	C	1	an..3



R	DTM	DATE/TIME PERIOD
Segment Function:	To specify date, and/or time, or period	
Position:	00030	
Message Level:	Header	
Segment Repeats:	1	
Segment Status:	Conditional	
Segment Usage:	Required	
Sample Segment:	DTM+137:201609231537:203'	
Clarification:	The DTM at this level can be used to specify dates related to the message. <i>Only one occurrence of this segment is used. The document/message send date is required.</i>	

M	C507	DATE/TIME/PERIOD	M	1
		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	2005	Date/time/period qualifier	M	an..3
		Code qualifying the function of a date, time or period. 137 Document issue date time		
R	2380	Date/time/period	C	an..35
		The value of a date, a date/time, a time or of a period in a specified representation.		
R	2379	Date/time/period format qualifier	C	an..3
		203 CCYYMMDDHMM		



R SEGMENT GROUP 1 – RFF – DTM

Group Function: A group of segments to specify references relating to the whole message.

Position: 00040

Group Repeats: 9

Group Status: Conditional

Group Usage: Required

Clarification: *The RFF Group should be used in the case of changes to information transmitted in a previous message.*

M RFF REFERENCE

Segment Function: To specify a reference.

Position: 00050

Message Level: Group 1

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segments: RFF+ACW:002408000021'
RFF+AGO:002408000006'

Clarification: To specify references applicable to the whole message, such as the previous message reference.
One occurrence of this segment is required: reference included in DE1004 as a "Sender's Unique Internal Reference Number"
Also, a reference to a previous message will be necessary when the function of the message is other than "original".

M	C506	REFERENCE		M	1
			Identification of a reference.		
M	1153	Reference qualifier		M	an..3
			Code qualifying a reference.		
			AAS Transport contract document identifier		
			ABE Declarant's reference number		
			ACW Reference number to previous message		
			AFB Cargo manifest number		
			AGO Sender's reference to the original message (the same reference for the same communication of a VGM)		
			MS Message sender		
			SI SID (Shipper's identifying number for shipment)		
R	1154	Reference identifier		C	an..70
			Identifies a reference.		
X	1156	Document line identifier		C	an..6
X	1056	Version identifier		C	an..9
X	1060	Revision identifier		C	an..6



X	DTM	DATE/TIME PERIOD
Segment Function:	To specify date, and/or time, or period	
Position:	00060	
Message Level:	Group 1	
Segment Repeats:	1	
Segment Status:	Conditional	
Segment Usage:	Required	
Sample Segment:	DTM+171:201608291235:203'	
Clarification:	The DTM at this level can be used to specify dates related to the message.	

M	C507	DATE/TIME/PERIOD	M	1
		Date and/or time, or period relevant to the specified date/time/period type.		
M	2005	Date/time/period qualifier	M	an..3
		Code qualifying the function of a date, time or period.		
		171 Reference date time		
R	2380	Date/time/period	C	an..35
		The value of a date, a date/time, a time or of a period in a specified representation.		
R	2379	Date/time/period format qualifier	C	an..3
		203 CCYYMMDDHMM		



R SEGMENT GROUP 2 – NAD – SG3

Group Function: A group of segments to identify a party and/or addresses and related contacts.

Position: 00070

Group Repeats: 9

Group Status: Conditional

Group Usage: Required

Clarification:

M NAD NAME AND ADDRESS

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

Position: 00080

Message Level: Group 2

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segments:

Identification of the shipping agent:
NAD+CF+A08123456++CONSIGNATARIO SA'

Carrier's identification:
NAD+CA+XYC++XY CARRIER'

Submitter's identification:
NAD+TB+A08123456++CONSIGNATARIO SA+MOLL DE BARCELONA
S/N+BARCELONA++08039+ES'

Clarification: *The NAD segment at this level must always be sent. It identifies parties associated with the equipment weighing process. The identification of the shipping agent and the submitter is required and the carrier's identification is optional.*

M	3035	PARTY QUALIFIER	M	1	an..3
		Code giving specific meaning to a party.			
		<i>CA</i>			<i>Carrier</i>
		<i>CF</i>			<i>Container operator/lessee (use this code for the shipping agent)</i>
		<i>GZ</i>			<i>Consignor</i>
		<i>DEI</i>			<i>Means of transport operator</i>
		<i>GF</i>			<i>Slot charter party</i>
		<i>PQ</i>			<i>Certifying party</i>
		<i>SPG</i>			<i>Party responsible to obtain SOLAS Verified Gross Mass</i>
		<i>TB</i>			<i>Submitter</i>
		<i>TR</i>			<i>Terminal operator</i>
		<i>WPA</i>			<i>Weighting party</i>
R	C082	PARTY IDENTIFICATION DETAILS	C	1	
		Identification of a transaction party by code.			
M	3039	Party id. identification	M		an..35
		Code specifying the identity of a party.			
		PARTY			Party identification



For shipping agent use the company NIF; for carriers use the SCAC codes and, for submitters, the company NIF or the VAT identification number can be used)

RESPONSIBLE Responsible person identification

X	1131	Code list identification code	C	an..17
X	3055	Code list responsible agency, coded	C	an..3
X	C058	NAME AND ADDRESS	C	1
		Unstructured name and address: one to five lines.		
M	3124	Name and address line	M	an..35
		Free form description of a name and address line.		
O	3124	Name and address line	C	an..35
		Free form description of a name and address line.		
O	3124	Name and address line	C	an..35
		Free form description of a name and address line.		
O	3124	Name and address line	C	an..35
		Free form description of a name and address line.		
O	3124	Name and address line	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 line . Party name may be formatted.		
M	3036	Party name	M	an..70
		Name of a party.		
X	3036	Party name	C	an..70
		Name of a party.		
X	3036	Party name	C	an..70
		Name of a party.		
X	3036	Party name	C	an..70
		Name of a party.		
X	3036	Party name	C	an..70
		Name of a party.		
X	3045	Party name format code	C	an..3
		Code specifying the representation of a party name.		
		Refer to D.13B Data Element Dictionary for acceptable code values.		
O	C059	STREET	C	1
		Street address and/or PO Box number in a structured address: one line .		
M	3042	Street and number or post office box id.	M	an..35
		To identify a street and number and/or Post Office box number.		
O	3042	Street and number or post office box id.	C	an..35
		To identify a street and number and/or Post Office box number.		
O	3042	Street and number or post office box id.	C	an..35
		To identify a street and number and/or Post Office box number.		
O	3042	Street and number or post office box id.	C	an..35
		To identify a street and number and/or Post Office box number.		
O	3164	CITY NAME	C	an..35
		Name of a city.		
X	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, coded	C	an..3
		Code specifying the agency responsible for a code list.		
		Refer to D.13B 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	an..17
		Code specifying the postal zone or address.		
O	3207	COUNTRY IDENTIFIER	C	an..3
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.		



X SEGMENT GROUP 3 – CTA - COM

Group Function: A Group of segments to identify a contact and his communications

Position: 00090

Group repeats: 9

Group status: Conditional

Group Usage: Optional

Clarification:

M CTA CONTACT INFORMATION

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

Position: 00100

Message Level: Group 3

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segment: CTA+MS+:EXPORT DEPARTMENT'

Clarification: The CTA segment identifies the party that has to be contacted when more information about the message is requested.

0	3139	CONTACT FUNCTION CODE	C	an..3
		Code specifying the function of a contact (e.g. department or person).		
		BN Certification contact		
		CW Confirmed with		
		MS Message sender contact		
0	C056	CONTACT DETAILS	C	1
		Code and/or name of a contact such as a dept. or employee. Code preferred.		
0	3143	Contact identifier	C	an..17
		To identify a contact, such as a department or employee.		
0	3142	Contact name	C	an..35
		Name of a contact, such as a department or employee.		



X	COM	CONTACT COMMUNICATION
Function:	To identify a communication number of a department or a person to whom communication should be directed.	
Position:	00110	
Message Level:	Group 3	
Segment Repeats:	9	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	COM+639765432:AL'	
Clarification:	The COM segment identifies the communication number of the contact person.	

M	C076	COMMUNICATION OF CONTACT	M	3
		Communication number of a department or employee in a specified channel.		
M	3148	Communication address identifier	M	an..512
		To identify a communication address.		
M	3155	Communication means type code	M	an..3
		Code specifying the type of communication address.		
		AL Cellular phone		
		AM International telephone direct line		
		EM Electronic mail		



R SEGMENT GROUP 4 – EQD – RFF – LOC – SEL – SG5 – SG6 – SG7

Group Function: A group of segments containing information about one packed container.

Position: 00120

Group Repeats: 99999

Group Status: Conditional

Group Usage: Required

Clarification: Group transmitting VGM information about a container:

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

M EQD EQUIPMENT DETAILS

Segment Function: To identify a unit of equipment.

Position: 00130

Message Level: Group 4

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segments: EQD+CN+SUDU1234569+42G1'

Clarification: To specify container or equipment details.

In a weighing order message (“127” in DE1000 of segment BGM), always have to be sent the container identification or a container reference number (segment RFF, group 4, with “SQ” in DE1153).

In a VGM notification message (“749” in DE1000 of segment BGM) the container identification is always required, being optional its container reference number.

M	8053	EQUIPMENT QUALIFIER		M	1	an..3
		CN	Container			
O	C237	EQUIPMENT IDENTIFICATION		C	1	
R	8260	Equipment identification number		C		an..17
		Equipment Number				
		<i>Container numbers must include both prefix and number, expressed as a contiguous string without spaces or hyphens.</i>				
X	1131	Code list qualifier		C		an..17
X	3055	Code list responsible agency, coded		C		an..3
X	3207	Country, coded		C		an..3
O	C224	EQUIPMENT SIZE AND TYPE		C	1	
O	8155	Equipment size and type identification		C		an..10
		Equipment Size and type				
		<i>Container size and type according to ISO6346 codes.</i>				
X	1131	Code list qualifier		C		an..17
X	3055	Code list responsible agency, coded		C		an..3
X	8154	Equipment size and type		C		an..35
X	8077	EQUIPMENT SUPPLIER, CODED		C		an..3
X	8249	EQUIPMENT STATUS, CODED		C		an..3
X	8169	FULL OR EMPTY INDICATOR, CODED		C		an..3
X	4233	MARKING INSTRUCTIONS CODE		C		an..3



R	RFF	REFERENCE
	Segment Function:	To specify a reference.
	Position:	00140
	Message Level:	Group 4
	Segment Repeats:	9
	Segment Status:	Conditional
	Segment Usage:	Required
	Sample Segment:	RFF+BN:37N023' (booking number) RFF+SI:US1603-2224' (shipper's internal reference) RFF+AGP:2019021 / 9104452 BASCULA A' (weighing equipment identification) RFF+SQ:40HCREF00104' (equipment sequence number, when container number is or was unknown)
	Clarification:	To specify references related to the container. <i>This reference is intended to relate the transmitted VGM data to message recipient's internal business transactions.</i> <i>The booking number always must be sent.</i> <i>The weighing equipment identification is not required, but it is maintained as optional in this version in order to preserve the compatibility with version 1.1.</i>

M	C506	REFERENCE	M	1	Identification of a reference.
M	1153	Reference code qualifier	M	an..3	Code qualifying a reference.
		AGP			Company issued equipment ID (Owner/operator, non-government issued equipment reference number). Weighing equipment ID. (CONDITIONAL)
		BM			Bill of lading number
		BN			Consignment identifier, carrier assigned (i.e.booking number)
		SI			SID (Shipper's identifying number for shipment)
		SQ			Equipment sequence number (reference assigned to the container before the container number was known)
		VOR			Transport equipment gross mass verification order reference Reference number identifying the order for obtaining a Verified Gross Mass (weight) of a packed transport equipment as per SOLAS Chapter VI, Regulation 2, paragraphs 4-6.
R	1154	Reference identifier	C	an..70	Identifies a reference.
X	1156	Document line identifier	C	an..6	
X	1056	Version identifier	C	an..9	
X	1060	Revision identifier	C	an..6	



X	LOC	PLACE/LOCATION IDENTIFICATION
Segment Function:		To identify a country/place/location/ related location one/related location two.
Position:		00150
Message Level:		Group 4
Segment Repeats:		9
Segment Status:		Conditional
Segment Usage:		Required
Sample Segment:		LOC+9+FRMRS+CMA:::CMA TERMINAL' (port of loading incl. terminal spec.)
Clarification:		To specify locations related to container's transport chain. The location where the VGM has been determined is NOT to be transmitted in this segment but in SG8 as part of NAD+WPA.

M	3227	PLACE/LOCATION QUALIFIER		M	an..3
			<i>Code identifying the function of a location.</i>		
		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>		
O	C517	LOCATION IDENTIFICATION		C	1
O	3225	Place/location identification		C	an..35
			<i>To identify a location.</i>		
			<i>UN-LOCODE of place specified in 3227.</i>		
X	1131	Code list identification code		C	an..17
X	3055	Code list responsible agency code		C	an..3
X	3224	Location name		C	an..256
O	C519	RELATED LOCATION ONE IDENTIFICATION		C	1
			<i>Terminal in port</i>		
O	3223	First related location identifier		C	an..35
			<i>To identify a first related location.</i>		
X	1131	Code list identification code		C	an..17
X	3055	Code list responsible agency code		C	an..3
O	3222	First related location name		C	an..70
			<i>Name of first related location.</i>		
X	C553	RELATED LOCATION TWO IDENTIFICATION		C	1
X	3233	Second related location identifier		C	an..35
O	1131	Code list identification code		C	an..17
O	3055	Code list responsible agency code		C	an..3
O	3232	Second related location name		C	an..70
X	5479	RELATION CODE		C	an..3



O	SEL	SEAL NUMBER
Segment Function:	To specify the seal number or a range of seal numbers.	
Position:	00160	
Message Level:	Group 4	
Segment Repeats:	9	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	SEL+987654321+SH' (shipper's seal)	
Clarification:	The seal number(s) attached to the container at the time of VGM determination.	

R	9308	TRANSPORT UNIT SEAL IDENTIFIER	C	an..35
		<i>The identification number of a seal affixed to a transport unit.</i>		
R	C215	SEAL ISSUER	C	1
		Id. of the issuer of a seal on equipment either by code or by name.		
R	9303	Sealing party name code	C	an..3
		Code specifying the name of the sealing party.		
		AA Consolidator		
		AB Unknown		
		CA Carrier		
		CU Customs		
		SH Shipper		
		TO Terminal operator		
X	1131	Code list identification code	C	an..17
X	3055	Code list responsible agency code	C	an..3
X	9302	Sealing party name	C	an..35
X	4517	SEAL CONDITION CODE	C	an..3
X	C208	IDENTITY NUMBER RANGE	C	1
X	7402	Object identifier	M	an..35
X	7402	Object identifier	C	an..35
X	4525	SEAL TYPE CODE	C	an..3

**R SEGMENT GROUP 5 – MEA – DTM**

Group Function:	A group to specify measurements.
Position:	00170
Group Repeats:	9
Group Status:	Conditional
Group Usage:	Optional
Clarification:	A group specifying a packed container's gross mass, when it is verified and optionally the date/time when it was determined.

M MEA MEASUREMENTS

Segment Function :	To specify physical measurements, including dimension tolerances, weights and counts.
Position:	00180
Message Level:	Group 5
Segment repeats:	1
Segment Usage:	Mandatory
Sample Segments:	Gross mass, verified: MEA+AAE+VGM+KGM:21700' In an order to weight the container: MEA+AAE+VGM+KGM:0'
Clarification:	To specify transport equipment gross weight and verified gross mass.

M	6311	MEASUREMENT PURPOSE CODE QUALIFIER	M	an..3
		<i>Code qualifying the purpose of the measurement.</i>		
		<i>AAE Measurement</i>		
R	C502	MEASUREMENT DETAILS	C	1
		<i>Identification of measurement type.</i>		
R	6313	Measured attribute code	C	an..3
		<i>Code specifying the attribute measured.</i>		
		AET <i>Transport equipment gross weight</i>		
		VGM <i>Verified gross mass - transport equipment verified gross weight</i>		
X	6321	Measurement significance code	C	an..3
X	6155	Non-discrete measurement name code	C	an..17
X	6154	Non-discrete measurement name	C	an..70
R	C174	VALUE/RANGE	C	1
		<i>Measurement value and relevant minimum and maximum values of the measurement range.</i>		
M	6411	Measure unit code	M	an..8
		<i>Code specifying the unit of measurement.</i>		
		<i>KGM kilogram</i>		
		LBR <i>pounds</i>		
R	6314	Measure	C	an..18
		<i>To specify the value of a measurement.</i>		
		<i>When the VERMAS message is used as a weighing order (Data element 1001 of segment BGM with value "127" it has to be declared a weight of 0 Kg.</i>		
X	6162	Range minimum	C	n..18
X	6152	Range maximum	C	n..18
X	6432	Significant digits quantity	C	n..2
X	7383	SURFACE OR LAYER CODE	C	an..3



O	DTM	DATE/TIME PERIOD
Segment Function:	To specify date, and/or time, or period	
Position:	00190	
Message Level:	Group 5	
Segment Repeats:	1	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	DTM+798:201606251632:203'	
Clarification:	Date/time when gross mass was determined. In case of re-determining VGM, transmission this segment may be used to identify its latest version.	

M	C507	DATE/TIME/PERIOD	M	1	Date and/or time, or period relevant to the specified date/time/period type. preliminary function code qualifier
M	2005	Date/time/period function code qualifier	M	an..3	Code qualifying the function of a date, time or period. <i>798 Weight ascertained - Date/Time when gross mass was obtained</i>
R	2380	Date/time/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/time/period format qualifier	C	an..3	<i>203 CCYYMDDHHMM</i>



X	SEGMENT GROUP 6 - TDT
Group Function:	A Group of segments to indicate details of inland movement of equipment.
Position:	00200
Group Repeats:	9
Group Status:	Conditional
Group Usage:	Optional
Clarification:	A group transmitting vessel/voyage information allowing to relate the transmitted VGM data to message recipient's internal business transactions.

M	TDT	DETAILS OF TRANSPORT
Segment Function:	To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.	
Position:	00210	
Message Level	Group 6	
Segment Repeats:	1	
Segment Status:	Mandatory	
Segment Usage:	Mandatory	
Sample Segments:	TDT+20+123E45+1+++++9501344::11:BASLE EXPRESS:PA' (IMO number) TDT+20+123E45+1+++++DFGN2::296:BASLE EXPRESS:PA' (call sign)	
Clarification:	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.	

X	8051	TRANSPORT STAGE CODE QUALIFIER	M	an..3
		<i>Code qualifying a specific stage of transport.</i>		
	20	<i>Main-carriage Transport</i>		
X	8028	MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	an..17
		<i>To identify a journey of a means of transport.</i>		
		<i>import/discharge voyage number (for specification of export/loading voyage number use subsequent RFF segment)</i>		
X	C220	MODE OF TRANSPORT	C	1
X	8067	Transport mode name code	C	an..3
		<i>Code specifying the name of a mode of transport.</i>		
		<i>code by UN/ECE recommendation 20</i>		
	1	<i>Maritime</i>		
X	8066	Transport mode name	C	an..17
X	C228	TRANSPORT MEANS	C	1
X	8179	Transport means description code	C	an..8
X	1131	Code list identification code	C	an..17
X	3055	Code list responsible agency code	C	an..3
X	8178	Transport means description	C	an..17
X	C040	CARRIER	C	1
X	3127	Carrier identifier	C	an..17
X	1131	Code list identification code	C	an..17
X	3055	Code list responsible agency code	C	an..3
X	3126	Carrier name	C	an..35
X	8101	TRANSIT DIRECTION INDICATOR CODE	C	an..3



X	C401	EXCESS TRANSPORTATION INFORMATION	C	1	
X	8457	Excess transportation reason code	M		an..3
X	8459	Excess transportation responsibility code	M		an..3
X	7130	Customer shipment authorisation number	C		an..17
X	C222	TRANSPORT IDENTIFICATION	C	1	
		Code and/or name identifying the means of transport.			
X	8213	Transport means identification name identifier	C		an..35
		<i>Identifies the name of the transport means.</i>			
X	1131	Code list identification code	C		an..17
X	3055	Code list responsible agency code	C		an..3
		Code specifying the agency responsible for a code list.			
		11 Lloyd's register of shipping (IMO number)			
		296 ITU (International Telecommunication Union)			
X	8212	Transport means identification name	C		an..70
		<i>Name identifying a means of transport.</i>			
X	8453	Transport means nationality code	C		an..3
		Code specifying the nationality of a means of transport.			
X	8281	TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C		an..3
X	C003	POWER TYPE	C	1	
X	7041	Power type code	C		an..3
X	1131	Code list identification code	C		an..17
X	3055	Code list responsible agency code	C		an..3
X	7040	Power type description	C		an..17



X	RFF	REFERENCE
Segment Function:		To specify a reference.
Position:		00220
Message Level:		Group 6
Segment Repeats:		9
Segment Status:		Conditional
Segment Usage:		Optional
Sample Segment:		RFF+VON:124W51'
Clarification:		To specify references related to the voyage.

M	C506	REFERENCE	M	1
		Identification of a reference.		
M	1153	Reference code qualifier	M	an..3
		Code qualifying a reference.		
		<i>export/loading voyage number (for specification of import/discharge voyage number use D8023 in preceeding TDT segment)</i>		
		VON Voyage number		
X	1154	Reference identifier	C	an..70
		Identifies a reference.		
X	1156	Document line identifier	C	an..6
X	1056	Version identifier	C	an..9
X	1060	Revision identifier	C	an..6



O SEGMENT GROUP 7 - DOC - DTM – SG8

Group Function: To identify documents, either printed, electronically transferred, or referenced as specified in message description, including, where relevant, the identification of the type of transaction that will result from this message.

Position: 00230

Group Repeats: 9

Group Status: Conditional

Group Usage: Optional

Clarification: Group specifying documentation related to SOLAS gross mass verification of a packed container.

M DOC DOCUMENT/MESSAGE DETAILS

Segment Function: To identify documents, either printed, electronically transferred, or referenced as specified in message description, including, where relevant, the identification of the type of transaction that will result from this message.

Position: 00240

Message Level: Group 7

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segments:

Documentation about party responsible to obtain VGM (shipper):
DOC+SHP+27G92ZZ' (documentation ID=27G92ZZ)

Documentation about ascertainment of VGM according method 1:
DOC+SM1+W42-23110812' (documentation ID=W42-23110812)

Documentation about ascertainment of VGM according method 2:
DOC+SM2+QCT000784' (documentation ID= QCT000784)

Clarification: The DOC is used to specify type of SOLAS VGM documentation and a unique reference.

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 obtain verified gross mass ("shipper")		
		SM1 - Certificate for ascertainment of VGM according to method 1		
		SM2 - Certificate for ascertainment of VGM according to method 2		
		DRF - NAD group specifies source of documentation		
		SHP - NAD group specifies party and responsible person		
		SM1 - NAD group specifies party and optionally further details		
		SM2 - NAD group specifies party and optionally further details		
		DRF - Documentation of gross mass verification		
		SHP Party responsible for verification of gross mass		
		SM1 SOLAS verification method 1		
		SM2 SOLAS verification method 2		
X	1131	Code list identification code	C	an..17
X	3055	Code list responsible agency code	C	an..3



O	1000	Document name <i>Name of a document.</i>	C	an..35
O	C503	DOCUMENT/MESSAGE DETAILS Identification of document/message by number, status, source and/or language.	C	1
R	1004	Document identifier To identify a document. 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	C	an..70
X	1373	Document status code	C	an..3
X	1366	Document source description	C	an..70
X	3453	Language name code	C	an..3
X	1056	Version identifier	C	an..9
X	1060	Revision identifier	C	an..6
X	3153	COMMUNICATION MEDIUM TYPE CODE	C	an..3
X	3120	DOCUMENT COPIES REQUIRED QUANTITY	C	n..2
X	1218	DOCUMENT ORIGINALS REQUIRED QUANTITY	C	n..2



X	DTM	DATE/TIME PERIOD
Segment Function:	To specify date, and/or time, or period	
Position:	00250	
Message Level:	Group 7	
Segment Repeats:	9	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	DTM+798:201602291235:203'	
Clarification:	a) specify time when VGM has been ascertained b) optionally specify date/time when documentation was issued	

M	C507	DATE/TIME/PERIOD	M	
				Date and/or time, or period relevant to the specified date/time/period type.
M	2005	Date/time/period qualifier	M	an..3
				Code qualifying the function of a date, time or period.
		137		Document issue date time
		798		Transport equipment verified gross mass ascertained date/time
R	2380	Date/time/period	C	an..35
				The value of a date, a date/time, a time or of a period in a specif. representation.
R	2379	Date/time/period format qualifier	C	an..3
		203		CCYYMMDDHHMM

**O SEGMENT GROUP 8 - NAD – SG9**

Group Function:	A group of segments to identify a party and/or addresses and related contacts.
Position:	00260
Group Repeats:	9
Group Status:	Conditional
Group Usage:	Optional
Clarification:	<p>Group for specification of</p> <p>a) party responsible of SOLAS verified gross mass declaration (SOLAS' shipper)</p> <p>b) the person authorized to sign VGM documents</p> <p>c) the weighing party for the method specified in DOC segment</p> <p>d) the party to be referred to for obtaining identified document</p> <p>e) the party which had ordered weighing at terminal or weighing station</p> <p>Each party's responsible person might be specified by CTA group</p>

M NAD NAME AND ADDRESS

Segment Function:	To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.
Position:	00270
Message Level:	Group 8
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segments:	<p>The company acting as shipper of the packed container is transmitted by: NAD+SPC+++BEST FRUIT LTD.+LONG STREE 987:P.O. BOX 321123+NEW YORK CITY++10007+US'</p> <p>The same company's responsible person is transmitted by: NAD+AM+++PETER SMITH:BEST FRUIT LTD.+LONG STREE 987+NEW YORK CITY++10007+US'</p> <p>The party which has ascertained 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'</p>
Clarification:	<p>Name/address data transmitted in this segment depend on function code</p> <p>SPC - data about company responsible to verify gross mass according to SOLAS regulations</p> <p>WPA - data about company which actually has determined VGM</p> <p>AM - data about person (individual) authorized to sign a document</p> <p>WC - data about company holding documentation according SOLAS VGM regulations</p> <p>OB - data about the party which ordered weighing at terminal or weighing station</p> <p>Communication details for the specified company/person can be transmitted in the subsequent CTA group.</p>
NOTE:	In context of VGM documentation specification of a party by code is doubtful because the receiving party might not be aware of the used code list. Instead name and address should be specified either as free text in C058 only or more structured in C080 thru 3207.



M	3035	PARTY QUALIFIER	M	an..3	<p>AM - Person (individual) authorized to sign a document</p> <p>OB - Party which ordered weighing at terminal or weighing station</p> <p>SPC - Party responsible for obtaining the VGM (in SOLAS named "shipper of packed container")</p> <p>WC - Party holding documentation according to SOLAS VGM regulations</p> <p>WPA - Party which has ascertained gross mass according to SOLAS method 1 or 2</p> <p>AM Authorized official</p> <p>OB - Ordered by</p> <p>SPC SOLAS packed container responsible party</p> <p>WC - Information reference agency</p> <p>WPA Weighting party</p>
O	C082	PARTY IDENTIFICATION DETAILS	C	1	<p>Identification of a transaction party by code.</p> <p>Usage of this composite needs to be agreed be communication partners.</p> <p>If used then specification of the code list in data element 1131 and 3055 is required.</p> <p>Example(s)</p> <ul style="list-style-type: none"> • GSI ID: ID::9 • EORI ID: ID:EORI:ZZZ • INTTRA ID: ID:INTTRA:ZZZ • Tax ID: ID:TAX:ZZZ (when NIF or VAT number is provided)
M	3039	Party id. identification	M	an..35	Code specifying the identity of a party.
D	1131	Code list qualifier	C	an..17	<p>Code identifying a user or association maintained code list.</p> <p>Usage of this data element is required if C082.3055 is transmitted as ZZZ.</p> <p>EORI EORI number</p> <p>INTTRA INTTRA ID</p> <p>TAX TAX ID</p>
R	3055	Code list responsible agency, coded	C	an..3	<p>Code specifying the agency responsible for a code list.</p> <p>9 GSI</p> <p>ZZZ Mutually defined</p>
X	C058	NAME AND ADDRESS	C	1	
X	3124	Name and address line	M	an..35	
X	3124	Name and address line	C	an..35	
X	3124	Name and address line	C	an..35	
X	3124	Name and address line	C	an..35	
X	3124	Name and address line	C	n..35	
O	C080	PARTY NAME	C	1	Identification of a transaction party by name, one line.
M	3036	Party name	M	an..70	Name of a party.
X	3036	Party name	C	an..70	Name of a party.
X	3036	Party name	C	an..70	Name of a party.
X	3036	Party name	C	an..70	Name of a party.
X	3036	Party name	C	an..70	Name of a party.
X	3045	Party name format code	C	an..3	
O	C059	STREET	C	1	Street address and/or PO Box number in a structured address: one line.
M	3042	Street and number or post office box id.	M	an..35	To identify a street and number and/or Post Office box number.
X	3042	Street and number or post office box id.	C	an..35	To identify a street and number and/or Post Office box number.
X	3042	Street and number or post office box id.	C	an..35	To identify a street and number and/or Post Office box number.
X	3042	Street and number or post office box id.	C	an..35	To identify a street and number and/or Post Office box number.



O	3164	CITY NAME	C	an..35
		Name of a city.		
X	C819	COUNTRY SUBDIVISION DETAILS	C	1
		To specify a country subdivision, such as state, canton, county, prefecture.		
X	3229	Country subdivision identifier	C	an..9
		To identify a country subdivision, such as state, canton, county, prefecture.		
X	1131	Code list identification code	C	an..3
X	3055	Code list responsible agency, coded	C	an..3
X	3228	Country subdivision name	C	an..70
		Name of a country subdivision, such as state, canton, county, prefecture.		
O	3251	POSTAL IDENTIFICATION CODE	C	an..17
		Code specifying the postal zone or address.		
O	3207	COUNTRY IDENTIFIER	C	an..3
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.		
		In some business cases specification of the country in which ascertainment of weight has taken place is required.		



O SEGMENT GROUP 9 - CTA - COM

Group Function: A Group of segments to identify a contact and his communications

Position: 00280

Group repeats: 9

Group status: Conditional

Group Usage: Optional

Clarification: 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

M CTA CONTACT INFORMATION

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

Position: 00290

Message Level: Group 9

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

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

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

R	3139	CONTACT FUNCTION CODE	C	an..3
		Code specifying the function of a contact (e.g. department or person).		
		<i>BN Certification contact</i>		
		<i>RP (Authorized) responsible person</i>		
O	C056	CONTACT DETAILS	C	1
		Code and/or name of a contact such as a dept. or employee. Code preferred.		
		Required if 3139=RP		
O	3143	Contact identifier	C	an..17
		To identify a contact, such as a department or employee.		
O	3142	Contact name	C	an..35
		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).		



O	COM	CONTACT COMMUNICATION
Function:	To identify a communication number of a department or a person to whom communication should be directed.	
Position:	00300	
Message Level:	Group 9	
Segment Repeats:	9	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	COM+?+19731234567:TE' - phone number COM+DISPATCH(A)MODERN-FOOTWEAR.COM:EM' - email address COM+ABC STRASSE 98, 20000 HAMBURG, GERMANY:MA' - physical address	
Clarification:	Contact address for party or person (according to function qualifier in current CTA group).	

M	C076	COMMUNICATION OF CONTACT	M	3
		Communication number of a department or employee in a specified channel.		
M	3148	Communication address identifier	M	an..512
		To identify a communication address.		
M	3155	Communication means type code	M	an..3
		Code specifying the type of communication address.		
		<i>EM</i> <i>Electronic mail</i>		
		<i>FX</i> <i>Telefax</i>		
		<i>MA</i> <i>Mail</i>		
		<i>TE</i> <i>Telephone</i>		



M	UNT	MESSAGE TRAILER
Segment Function:	To end and check the completeness of a message.	
Position:	00310	
Message Level:	Summary	
Segment Repeats:	1	
Segment Status:	Mandatory	
Segment Usage:	Mandatory	
Sample Segment:	UNT+28+002408123456'	
Clarification:	<i>The UNT must always be sent.</i>	

M	0074	NUMBER OF SEGMENTS IN A MESSAGE	M	n..6
		<i>Number of segments in the message including UNH and UNT.</i>		
M	0062	MESSAGE REFERENCE NUMBER	M	an..14
		<i>Unique message reference assigned by the sender. Same reference as in 0062 in UNH.</i>		

**DATA SET**

Data interchanged in this message:

Data item	Group	Segment	Element		VERMAS
Message date/time	Header	DTM	C507/2005	"137"	R
	Header	DTM	C507/2380	Message date/time CCYYMMDDHHMM	R
Reference to a previous message	Header	DTM	C507/2379	"203"	R
	1	RFF	C506/1153	"ACW"	D
Transport contract document id.	1	RFF	C506/1154	Ref. previous message	D
	1	RFF	C506/1153	"AAS"	O
Declarant's reference number	1	RFF	C506/1154	Transport contract document identifier	O
	1	RFF	C506/1153	"ABE"	O
Sender's reference to the original message	1	RFF	C506/1154	Declarant's reference number	O
	1	RFF	C506/1153	"AGO"	R
Shipping agent	1	RFF	C506/1154	Sender's reference to the original message	R
	2	NAD	3035	"CF"	R
Carrier	2	NAD	C082/3039	NIF/CIF	R
	2	NAD	C080/3036	Shipping agent name	O
Submitter	2	NAD	3035	"CA"	O
	2	NAD	C082/3039	SCAC code	O
Equipment number	2	NAD	C080/3036	Carrier name	O
	2	NAD	3035	"TB"	R
Consignment id., carrier assigned	2	NAD	C082/3039	NIF/CIF/VAT number	R
	2	NAD	C080/3036	Message sender name	O
SID (Shipper's identifying number for shipment)	2	NAD	C059/3042	Street	O
	2	NAD	3164	City name	O
Equipment sequence number	2	NAD	3251	Postal identification code	O
	2	NAD	3207	Country	O
Transport equipment gross mass verification order reference	4	EQD	8053	"CN"	R
	4	EQD	C237/8260	Equipment number	O
Weighing equipment ID	4	RFF	C506/1153	"BN"	R
	4	RFF	C506/1154	Booking number	R
Transport unit seal identifier	4	RFF	C506/1153	"SI"	O
	4	RFF	C506/1154	SID (Shipper's identifying number for shipment)	O
Verified gross mass	4	RFF	C506/1153	"SQ"	O
	4	RFF	C506/1154	Equipment sequence number	O
Weight ascertained date/time	4	RFF	C506/1153	"VOR"	O
	4	RFF	C506/1154	Transport equipment gross mass verification order reference	O
Party responsible for verification of gross mass	4	RFF	C506/1153	"AGP"	O
	4	RFF	C506/1154	Weighing equipment identification	O
SOLAS verification method 1	4	SEL	9308	Seal	O
	4	SEL	C215/9303	Sealing party	O
Weight ascertained date/time	5	MEA	6311	"AAE"	R
	5	MEA	C502/6313	"VGM"	R
Party responsible for verification of gross mass	5	MEA	C174/6411	"KGM"	R
	5	MEA	C174/6414	Verified gross mass	R
SOLAS verification method 1	5	DTM	C507/2005	"798"	O
	5	DTM	C507/2380	Weight ascertained date/time CCYYMMDDHHMM	O
SOLAS verification method 1	5	DTM	C507/2379	"203"	O
	7	DOC	C002/1001	"SHP"	O
SOLAS verification method 1	7	DOC	C503/1004	Party responsible for verification of gross mass	O
	7	DOC	C002/1001	"SM1"	O



	7	DOC	C503/1004	For method 1, reference to the VGM document or certificate	O
SOLAS verification method 2	7	DOC	C002/1001	"SM2"	O
	7	DOC	C503/1004	For method 2, reference to the VGM document or certificate	O
Party responsible to obtain SOLAS Verified Gross Mass	8	NAD	3035	"SPC"	O
	8	NAD	C082/3039	NIF/CIF	O
	8	NAD	C080/3036	Party responsible to obtain SOLAS Verified Gross Mass	O
	9	CTA	3139	"BN"	O
	9	CTA	C056/3143	Blank	O
	9	CTA	C056/3142	Blank	O
	9	COM	C076/3148	Communication address	O
Company that has determined the VGM	8	NAD	3035	"WPA"	O
	8	NAD	C082/3039	NIF/CIF	O
	8	NAD	C080/3036	Company that has determined the VGM	O
	9	CTA	3139	"BN"	O
	9	CTA	C056/3143	Department, coded	O
	9	CTA	C056/3142	Department	O
	9	COM	C076/3148	Communication address	O
Person authorised to sign the document	8	NAD	3035	"AM"	O
	8	NAD	C082/3039	NIF/CIF	O
	8	NAD	C080/3036	Person authorised to sign the document	O
	9	CTA	3139	"RP"	O
	9	CTA	C056/3143	Blank	O
	9	CTA	C056/3142	Signature by authorised person	O
	9	COM	C076/3148	Communication address	O

USE CASES

Use cases described in this chapter shall be implemented **in the Port of Barcelona** in the way as specified here.

No	Sender	Receiver	Use Case Details
1	Shipper	Carrier	Shipper has determined the weight himself (Standard process)
8	Carrier	Terminal	(Standard process)
2	Shipper	Carrier	3 rd party has weighed, as instructed by the shipper
4	Weighing Station	Shipper	Shipper had ordered the weighing
5	Weighing Station	Carrier	Shipper had ordered the weighing and instructed the weighing station to report to the carrier
6	Terminal	Carrier	If standard procedure at the terminal to weigh each container or a specific order to weigh a container
9	Carrier	Shipper	Carrier has got knowledge of a weight (e.g. from Terminal)
10	Carrier	Terminal	Carrier orders the weighing to the terminal
11	Shipper	Carrier	Shipper orders the weighing to the carrier
12	Shipper	Weighing Station	Shipper orders the weighing to the weighing station
13	Carrier	Weighing Station	Carrier orders the weighing to the weighing station

(The number of the use case is based on the use cases included in the SMDG VERMAS v.0.4 MIG)

GRAPHICAL REPRESENTATION OF THE USE CASES



Fig. 1 Standard process

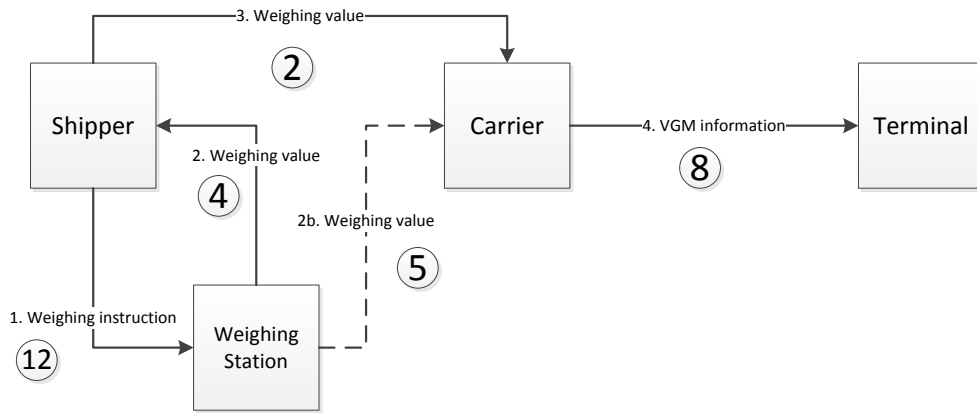


Fig. 2 Shipper orders weighing to a weighing station

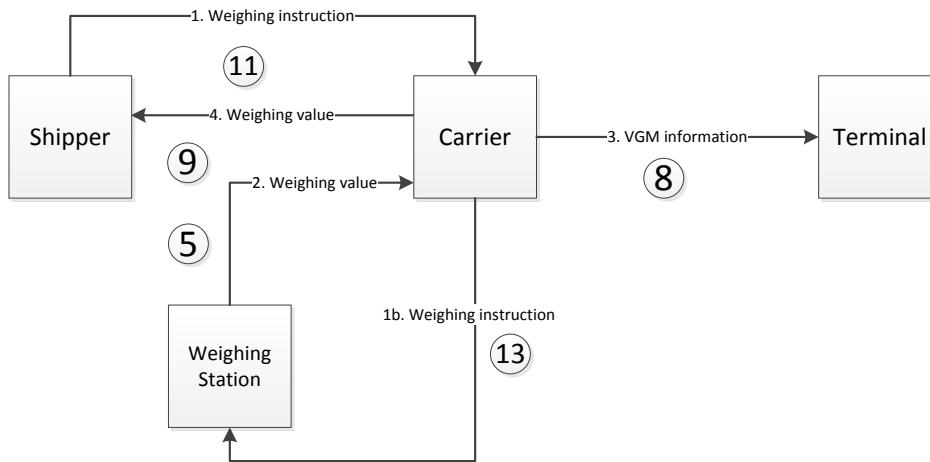


Fig. 3 Carrier orders weighing to a weighing station

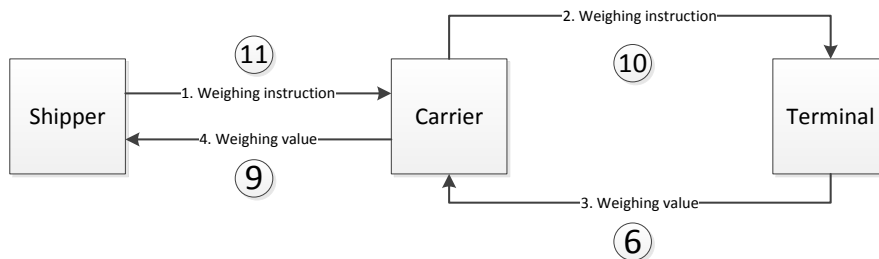


Fig. 4 Carrier orders weighing to the terminal



INFORMATION USAGE IN EACH USE CASE

NL	Use case	Use case																					
		1		2		4		5		6		8		9		10		11		12		13	
		From/To	S-->C	S-->C	W-->S	W-->C	T-->C	C-->T	C-->S	C-->T	S-->C	S-->W	C-->W	749	749	127	127	127	127	127	127	127	
Message function	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	749	
Who weighs	S	3rd	3rd	3rd	T	S/3rd	T/3rd	T	T/3rd	3rd	3rd	3rd	S	3rd	3rd	3rd	3rd	3rd	3rd	3rd	3rd	3rd	
1	f	Document issue date time	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
2	a, (g)	Shipper (the company) as Party Name and Address	M	M	X	X	X	X	M	X	C	C	C	C	C	C	C	C	C	C	C	C	C
3		Full Name of the Authorized Person (at the Shipper)	M	M	X	X	X	X	M	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4		Contact details of the Shipper	C	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5		Carrier's Booking number	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
6	(g)	Carrier as Party Name and Address (Issuer of the booking)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
7		Container ID	M	M	M	M	M	M	M	M	C	C	C	C	C	C	C	C	C	C	C	C	C
8		Container reference number	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
9		Seal Number	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
10	c	Verified Gross Mass Value	M	M	M	M	M	M	M	M	X	X	X	X	X	X	X	X	X	X	X	X	X
10b	c	Verified Gross Mass (Set to "0")	X	X	X	X	X	X	X	X	M	M	M	M	M	M	M	M	M	M	M	M	M
11		Verification Date	M	M	M	M	M	M	C	M	X	X	X	X	X	X	X	X	X	X	X	X	X
12		Shipper's internal reference	C	C	C	C	C	C	C	X	X	C	C	C	C	C	C	C	C	C	C	C	C
13	d	Method used (1 or 2)	M	M	M	M	M	M	C	M	X	X	X	X	X	X	X	X	X	X	X	X	X
14		Weighing equipment ID	C	C	C	C	C	C	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X
15	b, (g)	Party (the company) that has ascertained the VGM, Name and Address	S	3rd	3rd	3rd	T	X	T/3rd	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16		Name of the person who has ascertained the VGM	S	3rd	3rd	3rd	T	X	T/3rd	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	e	Document issuing party	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
18	g	Place where document has been issued	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
19		Unique reference ID (documentation)	C	C	M	M	M	C	M	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20		Transport equipment gross mass verification order reference	X	X	C	C	C	X	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Information usage in the use case:

- C: Conditional
- M: Mandatory
- X: Not used

From/To:

- S: Shipper
- C: Carrier
- T: Terminal
- 3rd: Third party

Exemple: S-->C From shipper to carrier

NL (national legislation):

Contenido mínimo de los documentos a que se refiere el número 1 del apartado séptimo de la resolución del Director General de la Marina Mercante (15 de junio de 2016)

NL Description

- a Nombre y domicilio del expedidor.
- b Si la verificación es realizada por un tercero en nombre del expedidor se indicará el nombre y domicilio de uno y otro.
- c Masa bruta verificada del contenedor lleno, en kilogramos
- d Método de obtención de la masa bruta
- e Nombre y firma (se admite la firma electrónica) de la persona física o jurídica que expide el documento.
- f Fecha de la expedición del documento.
- g Lugar de la expedición del documento.

Message function:

- 749: Weighing information
- 127: Weighing order/instruction

Who weighs:

- S: Shipper



T: Terminal
3rd: Third party

Table with the correlation of the information exchanged and the segments of the VERMAS message where it is declared:

NL	Information	VERMAS	VERMAS
1	f Document issue date time	Message date: DTM+137	Header
2	a, (g) Shipper (the company) as Party Name and Address	Company: DOC+SHP; NAD+SPC	Gr.7; Gr.8
3	Full Name of the Authorized Person (at the Shipper)	Person: DOC+SHP; NAD+AM; CTA+RP	Gr.7; Gr.8, Gr.9
4	Contact details of the Shipper	Company: DOC+SHP; NAD+SPC; CTA+BN	Gr.7; Gr.8; Gr.9
5	Carrier's Booking number	Booking: RFF+BN	Gr.4
6	(g) Carrier as Party Name and Address (Issuer of the booking)	Carrier: NAD+CF	Gr.2
7	Container ID	Container: EQD+CN	Gr.4
8	Container reference number	Container: EQD+CN; RFF+SQ	Gr.4
9	Seal Number	Seal: SEL+	Gr.4
10	c Verified Gross Mass Value	VGM: MEA+AAE+VGM	Gr.5
10b	c Verified Gross Mass (Set to "0")	VGM: MEA+AAE+VGM+KGM:0'	Gr.5
11	Verification Date	Verif.date: DTM+798	Gr.5
12	Shipper's internal reference	Shipper's ref.: RFF+SI	Gr.4
13	d Method used (1 or 2)	Method: DOC+SM1 or DOC+SM2	Gr.7
14	Weighing equipment ID	Weighing equipment ID: RFF+AGP	Gr.4
15	b, (g) Party (the company) that has ascertained the VGM, Name and Address	Company: DOC+SMx; NAD+WPA	Gr.7; Gr.8
16	Name of the person who has ascertained the VGM	Person: DOC+SMx; NAD+AM; CTA+RP	Gr.7; Gr.8, Gr.9
17	e Document issuing party	Submitter: NAD+TB	Gr.2
18	g Place where document has been issued	Submitter: NAD+TB+	Gr.2
19	Unique reference ID (documentation)	Weighing ref.: DOC+SMx+reference'	Gr.7
20	Transport equipment gross mass verification order reference	Weighing order ref. RFF+VOR	Gr.4



EXAMPLES

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

1. SHIPPER TO CARRIER - THE SHIPPER HAS DETERMINED THE WEIGHT HIMSELF USING METHOD 1 OR 2

EXAMPLE OF USE CASE 1

Shipper has already obtained VGM by himself and sends full VGM documentation to the carrier.

UNH+002408123456+VERMAS:D:16A:UN:SMDG10'	
BGM+749+B002408123456+9'	
DTM+137:201609231537:203'	Document issue date and time
RFF+AGO:002408000006'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+A08999999++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Submitter
NAD+CA+XYZ++XYZ CARRIER'	Carrier
EQD+CN+HLXU9876543+42G1'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI+A456C'	Shipper's internal ID
SEL+ZYX234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798:201508151527:203'	Local time when VGM was obtained
DOC+SHP+SHP-DOC-ID-10000'	Shipper's VGM declaration with ID
NAD+SPC+++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Shipper's company name and address
CTA+BN+SHIPPER SA DESPATCH DEPT'	Shipper's VGM contact reference
COM+VGM(A)SHIPPER.COM:EM'	e-mail contact
COM+?+34-939999999:TE'	Phone contact
NAD+AM+++JOHN P. SMITH+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Shipper's authorized person
CTA+RP+: JOHN P. SMITH'	Signature by authorized person
DOC+SM1'	Method 1 <u>without certificate ID</u>
NAD+WPA+++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Weighing comp. name and address
CTA+BN+SHIPPER SA DESPATCH DEPT'	Weighing comp. contact reference
COM+VGM(A)SHIPPER.COM:EM'	e-mail contact
COM+?+34-939999999:TE'	Phone contact
NAD+AM+++JOSE PEREZ+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Weighing party's authorized person
CTA+RP+:JOSE PEREZ'	Signature by authorized person
UNT+28+002408123456'	

8. CARRIER TO TERMINAL – STANDARD INFORMATION CHANNEL

EXAMPLE OF USE CASE 8

8.1 From carrier to terminal, standard process. No details about VGM documentation are transmitted. Only a reference to the documentation is provided.



Carrier to terminal – without detailed VGM documentation

UNH+007708123477+VERMAS:D:16A:UN:SMDG10'	
BGM+749+B007708123477+9'	
DTM+137:201609231622:203'	Document issue date and time
RFF+AGO:007708000077'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+A08123456++CONSIGNATARIO SA+MOLL DE BARCELONA	
S/N+BARCELONA++08039+ES'	Submitter
EQD+CN+HLXU9876543+42G1'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI+A456C'	Shipper's internal ID
SEL+ZYX234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798:201508151527:203'	Local time when VGM was obtained
DOC+SM1'	Method 1 (optional) <u>without</u> certificate ID
NAD+SPC+++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Shipper's company name and address
CTA+BN+SHIPPER SA DESPACH DEPT'	Shipper's VGM contact reference
COM+VGM(A)SHIPPER.COM:EM'	e-mail contact
COM+?+34-939999999:TE'	Phone contact
UNT+18+007708123477'	

8.2 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 obtained VGM (according to method 2 in the example).

Carrier to terminal – with demanded VGM documentation

UNH+007708123477+VERMAS:D:16A:UN:SMDG10'	
BGM+749+B007708123477+9'	
DTM+137:201609231622:203'	Document issue date and time
RFF+AGO:007708000077'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+A08123456++CONSIGNATARIO SA+MOLL DE BARCELONA	
S/N+BARCELONA++08039+ES'	Submitter
EQD+CN+HLXU9876543+42G1'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI+A456C'	Shipper's internal ID
SEL+ZYX234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798:201508151527:203'	Local time when VGM was obtained
DOC+SHP+SHP-DOC-ID-10000'	Shipper's VGM declaration with ID
NAD+SPC+++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Shipper's company name and address
CTA+BN+SHIPPER SA DESPACH DEPT'	Shipper's VGM contact reference
COM+VGM(A)SHIPPER.COM:EM'	e-mail contact
COM+?+34-939999999:TE'	Phone contact
NAD+AM+++JOHN P. SMITH'	Shipper's authorized person
CTA+RP+: JOHN P. SMITH'	Signature by authorized person
DOC+SM2'	Method 2 (optional) <u>without</u> certificate ID
UNT+21+007708123477'	

Address information from shipper and weighing party is 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.



2. SHIPPER TO CARRIER - 3RD PARTY HAS WEIGHED, AS INSTRUCTED BY THE SHIPPER USING METHOD 1 OR 2

EXAMPLE OF USE CASE 2

From shipper to carrier, actual ascertainment of VGM has been done by 3rd party in a different country.

UNH+002408123456+VERMAS:D:16A:UN:SMDG10'	
BGM+749+B002408123456+9'	
DTM+137:201609231537:203'	Document issue date and time
RFF+AGO:002408000006'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+A08999999++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Submitter
NAD+CA+XYZ++XYZ CARRIER'	Carrier
EQD+CN+HLXU9876543+42G1'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI+A456C'	Shipper's internal ID
SEL+ZYX234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798:201508151527:203'	Local time when VGM was obtained
DOC+SHP+SHP-DOC-ID-10000'	Shipper's VGM declaration with ID
NAD+SPC+++SHIPPER SA+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Shipper's company name and address
CTA+BN+SHIPPER SA DESPATCH DEPT'	Shipper's VGM contact reference
COM+VGM(A)SHIPPER.COM:EM'	e-mail contact
COM+?+34-939999999:TE'	Phone contact
NAD+AM+++JOHN P. SMITH+CARRER DE NINGBO S/N+BARCELONA++08040+ES'	Shipper's authorized person
CTA+RP+: JOHN P. SMITH'	Signature by authorized person
DOC+SM1+SM1-BY 3RD-DOC-ID123456'	Method 1 with certificate ID
NAD+WPA+++BAS-OFI-ABC+CARRER B+BARCELONA++08039+ES'	Weighing comp. name and address
CTA+BN+WEIGHING DEPT'	Weighing comp. contact reference
COM+VGM(A)BAS-OFI-ABC.COM:EM'	e-mail contact
COM+?+34-938888888:TE'	Phone contact
NAD+AM+++JORGE SUAREZ+CARRER B+BARCELONA++08039+ES'	Weighing party's authorized person
CTA+RP+: JORGE SUAREZ'	Signature by authorized person
UNT+28+002408123456'	

4. WEIGHING STATION TO THE SHIPPER – THE SHIPPER HAD ORDERED THE WEIGHING AT THE WEIGHING FACILITY

EXAMPLE OF USE CASE 4

From inland weighing station to shipper. No VGM information about shipper transmitted because he is the receiver.

UNH+0524081200001+VERMAS:D:16A:UN:SMDG10'	
BGM+749+W0524081200001+9'	
DTM+137:201609231537:203'	Document issue date and time
RFF+AGO:002408000006'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+A08555555++BAS-OFI-ABC+CARRER B+BARCELONA++08039+ES'	Submitter
EQD+CN+HLXU9876543+42G1'	Container ID and type



RFF+BN:112233-ABC'	Booking number
RFF+SI+A456C'	Shipper's internal ID
RFF+VOR+SHAG00345'	VGM order reference
SEL+ZYX234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798: 201609231337:203'	Local time when VGM was obtained
DOC+SM1+SM1-BY 3RD-DOC-ID123456'	Method 1 certificate with ID
NAD+WPA+++BAS-OFI-ABC+CARRER B+BARCELONA++08039+ES'	Weighing comp. name and address
CTA+BN+WEIGHING DEPT'	Weighing comp. contact reference
COM+VGM(A)BAS-OFI-ABC.COM:EM'	e-mail contact
COM+?+34-938888888:TE'	Phone contact
NAD+AM+++JORGE SUAREZ+CARRER B+BARCELONA++08039+ES'	Weighing party's authorized person
CTA+RP+: JORGE SUAREZ'	Signature by authorized person
UNT+21+0524081200001'	

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

5. WEIGHING STATION TO THE CARRIER – SHIPPER HAD ORDERED THE WEIGHING AND INSTRUCTED THE WEIGHING STATION TO REPORT DIRECTLY TO THE CARRIER

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

EXAMPLE OF USE CASE 5

From inland weighing station to carrier. No VGM information about shipper transmitted. Except for message envelope, the message is identical as the use-case-4 VERMAS transmitted to shipper.

UNH+0524081200001+VERMAS:D:16A:UN:SMDG10'	Document issue date and time
BGM+749+W0524081200001+9'	Sender's reference to the original message
DTM+137:201609231537:203'	Shipping agent
RFF+AGO:002408000006'	
NAD+CF+A08123456++CONSIGNATARIO SA'	Submitter
NAD+TB+A08555555++BAS-OFI-ABC+CARRER B+BARCELONA++08039+ES'	Container ID and type
EQD+CN+HLXU9876543+42G1'	Booking number
RFF+BN:112233-ABC'	Shipper's internal ID
RFF+SI+A456C'	VGM order reference
RFF+VOR+SHAG00345'	Seal number
SEL+ZYX234+SH'	Verified gross mass
MEA+AAE+VGM+KGM:21548'	Local time when VGM was obtained
DTM+798: 201609231337:203'	Method 1 certificate with ID
DOC+SM1+SM1-BY 3RD-DOC-ID123456'	Weighing comp. name and address
NAD+WPA+++BAS-OFI-ABC+CARRER B+BARCELONA++08039+ES'	Weighing comp. contact reference
CTA+BN+WEIGHING DEPT'	e-mail contact
COM+VGM(A)BAS-OFI-ABC.COM:EM'	Phone contact
COM+?+34-938888888:TE'	Weighing party's authorized person
NAD+AM+++JORGE SUAREZ+CARRER B+BARCELONA++08039+ES'	Signature by authorized person
CTA+RP+: JORGE SUAREZ'	
UNT+21+0524081200001'	



6. TERMINAL TO THE CARRIER – IF STANDARD PROCEDURE AT THE TERMINAL TO WEIGH EACH CONTAINER OR AN INSTRUCTION TO WEIGH A SPECIFIC CONTAINER

For a terminal where each container is weighed upon entering the gate or has the instructions to weigh a specific container.

EXAMPLE OF USE CASE 6

From terminal to carrier, terminal had received weighing order from carrier or shipper.

UNH+0999081200001+VERMAS:D:16A:UN:SMDG10'	
BGM+749+T0111081200001+9'	
DTM+137:201609231537:203'	Document issue date and time
RFF+AGO:002408000006'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+B08000000++TERM BCN+MOLL BCN+BARCELONA	
++08039+ES'	Submitter
EQD+CN+HLXU9876543+42G1'	Container ID and type
RFF+BN:112233-ABC'	Booking number
RFF+SI+A456C'	Shipper's internal ID
RFF+VOR+SHAG00345'	VGM order reference
SEL+ZYX234+SH'	Seal number
MEA+AAE+VGM+KGM:21548'	Verified gross mass
DTM+798: 201609231337:203'	Local time when VGM was obtained
DOC+SM1+SM1-BY 3RD-DOC-ID123456'	Method 1 certificate with ID
NAD+WPA+++TERM BCN+MOLL BCN+BARCELONA++08039+ES'	Weighing comp. name and address
CTA+BN+WEIGHING DEPT'	Weighing comp. contact reference
COM+VGM(A)TERM-BCN.COM:EM'	e-mail contact
COM+?+34-934444444:TE'	Phone contact
NAD+AM+++JOSEP JUNIOR+ MOLL BCN+BARCELONA++08039+ES'	Weighing party's authorized person
CTA+RP+: JOSEP JUNIOR'	Signature by authorized person
UNT+21+0999081200001'	

9. CARRIER TO THE SHIPPER – CARRIER HAS GOT KNOWLEDGE OF A WEIGHT (E.G. FROM TERMINAL) THAT HE FORWARDS TO THE SHIPPER

Shipper needs to be informed of the weight that was ascertained for his container.

EXAMPLE OF USE CASE 9

From carrier to shipper, carrier informs shipper about new VGM information received from terminal or a weighing third party.

UNH+007708123478+VERMAS:D:16A:UN:SMDG10'	
BGM+749+B007708123478+9'	
DTM+137:201609231537:203'	Document issue date and time
RFF+AGO:002408000006'	Sender's reference to the original message
NAD+CF+A08123456++CONSIGNATARIO SA'	Shipping agent
NAD+TB+A08123456++CONSIGNATARIO SA+MOLL DE BARCELONA	
S/N+BARCELONA++08039+ES'	Submitter
EQD+CN+HLXU9876543+42G1'	Container ID and type



RFF+BN:112233-ABC'
 RFF+SI+A456C'
 RFF+VOR+SHAG00345'
 SEL+ZYX234+SH'
 MEA+AAE+VGM+KGM:21548'
 DTM+798: 201609231337:203'
 DOC+SM1+SM1-BY 3RD-DOC-ID123456'
 NAD+WPA+++TERM BCN+MOLL BCN+BARCELONA++08039+ES'
 CTA+BN+WEIGHING DEPT'
 COM+VGM(A)TERM-BCN.COM:EM'
 COM+?+34-934444444:TE'
 NAD+AM+++JOSEP JUNIOR+ MOLL BCN+BARCELONA++08039+ES'
 CTA+RP+: JOSEP JUNIOR'
 UNT+21+007708123478'

Booking number
 Shipper's internal ID
 VGM order reference
 Seal number
 Verified gross mass
 Local time when VGM was obtained
 Method 1 certificate with ID
 Weighing comp. name and address
 Weighing comp. contact reference
 e-mail contact
 Phone contact
 Weighing party's authorized person
 Signature by authorized person

10. CARRIER TO TERMINAL – CARRIER ORDERS THE WEIGHING TO THE TERMINAL (PARTICULAR USE CASE FOR THE PORT OF BARCELONA)

Terminal is instructed to weight the container.

EXAMPLE OF USE CASE 10

From carrier to terminal, carrier orders the weighing to the terminal.
 A reference to the weighing instruction can be provided.

UNH+007708123479+VERMAS:D:16A:UN:SMDG10'
 BGM+127+B007708123477+9'
 DTM+137:201609231622:203'
 RFF+AGO:007708000077'
 NAD+CF+A08123456++CONSIGNATARIO SA'
 NAD+TB+A08123456++CONSIGNATARIO SA+MOLL DE BARCELONA
 S/N+BARCELONA++08039+ES'
 EQD+CN++45G1'
 RFF+SQ:40HCREFO0102'
 RFF+BN:112233-ABC'
 RFF+SI+A456C'
 RFF+VOR+SHAG-160004'
 MEA+AAE+VGM+KGM:0'
 UNT+13+007708123479'

Weighing instruction
 Document issue date and time
 Sender's reference to the original message
 Shipping agent
 Submitter
 Container ID and type (container number is still unknown)
 Container reference number (instead of container number)
 Booking number
 Shipper's internal ID
 Weighing order reference
 Verified gross mass set to 0

11. SHIPPER TO CARRIER – SHIPPER ORDERS THE WEIGHING TO THE CARRIER (PARTICULAR USE CASE FOR THE PORT OF BARCELONA)

Carrier is instructed to weight the container.

EXAMPLE OF USE CASE 11

From shipper to carrier, shipper orders the weighing to the carrier. A reference to the weighing instruction can be provided.

UNH+002408123459+VERMAS:D:16A:UN:SMDG10'
 BGM+127+B002408123459+9'



DTM+137:201609231537:203'
 RFF+AGO:002408000006'
 NAD+CF+A08123456++CONSIGNATARIO SA'
 NAD+TB+A08999999++SHIPPER SA+CARRER DE NINGBO S/N+
 BARCELONA++08040+ES'
 EQD+CN++42G1'

 RFF+SQ+REF123456'
 RFF+BN:112233-ABC'
 RFF+SI+A456C'
 RFF+VOR+SHAG-160004'
 MEA+AAE+VGM+KGM:0'
 UNT+13+002408123459'

Document issue date and time
 Sender's reference to the original message
 Shipping agent

 Submitter
 Container ID and type (container ID still is unknown)
 Container reference ID
 Booking number
 Shipper's internal ID
 Weighing order reference
 Verified gross mass set to 0

12. SHIPPER TO WEIGHING STATION – SHIPPER ORDERS THE WEIGHING TO A WEIGHING STATION (PARTICULAR USE CASE FOR THE PORT OF BARCELONA)

The weighing station is instructed to weight the container.

EXAMPLE OF USE CASE 12

From shipper to weighing station, shipper orders the weighing to the weighing station. A reference to the weighing instruction can be provided.

UNH+002408123460+VERMAS:D:16A:UN:SMDG10'
 BGM+127+B002408123459+9'
 DTM+137:201609231537:203'
 RFF+AGO:002408000006'
 NAD+CF+A08123456++CONSIGNATARIO SA'
 NAD+TB+A08999999++SHIPPER SA+CARRER DE NINGBO S/N+
 BARCELONA++08040+ES'
 EQD+CN+HLXU9876543+42G1'
 RFF+BN:112233-ABC'
 RFF+SI+A456C'
 RFF+VOR+SHAG-160004'
 MEA+AAE+VGM+KGM:0'
 UNT+12+002408123460'

Document issue date and time
 Sender's reference to the original message
 Shipping agent

 Submitter
 Container ID and type
 Booking number
 Shipper's internal ID
 Weighing order reference
 Verified gross mass set to 0

13. CARRIER TO WEIGHING STATION – CARRIER ORDERS THE WEIGHING TO A WEIGHING STATION (PARTICULAR USE CASE FOR THE PORT OF BARCELONA)

The weighing station is instructed to weight the container.

EXAMPLE OF USE CASE 13

From carrier to weighing station, carrier orders the weighing to the weighing station. A reference to the weighing instruction can be provided.

UNH+007708123444+VERMAS:D:16A:UN:SMDG10'
 BGM+127+B007708123477+9'
 DTM+137:201609231622:203'
 RFF+AGO:007708000077'
 NAD+CF+A08123456++CONSIGNATARIO SA'
 NAD+TB+A08123456++CONSIGNATARIO SA+MOLL DE BARCELONA

Document issue date and time
 Sender's reference to the original message
 Shipping agent



S/N+BARCELONA++08039+ES'
EQD+CN+HLXU9876543+42G1'
RFF+BN:112233-ABC'
RFF+SI+A456C'
RFF+VOR+SHAG-160004'
MEA+AAE+VGM+KGM:0'
UNT+12+007708123444 '

Submitter
Container ID and type
Booking number
Shipper's internal ID
Weighing order reference
Verified gross mass set to 0



DOCUMENT MAINTENANCE

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

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

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