



# INTRTRA eVGM Service From Submitter to INTRTRA

January 13,  
2017

Implementation Guide for:  
**VERMAS (Verified Gross Mass)**  
**EDIFACT Version D Release 16A**

User Guide  
Version 1.1



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## I. Audience

This document is intended for business, technical and EDI personnel engaged in establishing an electronic connection with INTTRA for the purpose of exchanging container Verified Gross Mass transaction messages through INTTRA via INTTRA's version of EDIFACT VERMAS (D16A).

The following sections provide detail information regarding General Conventions, message flow, message specifications, and message samples, to facilitate effective and efficient use of INTTRA's business transaction sets.

## II. General Conventions

### A. Data Access

In addition to Portal access and subscribed notifications, INTTRA's transactional notification feature allows recipients to receive transactional VGM data by email. The access rules for transactional notifications are as follows:

1. Transactional notification email addresses provided by the Customer for a VGM will receive notifications of Original, Amendments and Cancellation of the VGM.
2. Transactional notifications will only be sent for the transaction version in which the email addresses are provided. They will not be automatically promoted to subsequent versions.

## III. General Data Format Conventions

### A. Character Set Support

The character set supported by INTTRA is the UNOC UN/ECE level C, as defined in ISO-8859-1 character set (Hex 0x01 to 0xFF). Certain control characters should be avoided to ensure timely and complete EDI processing.

The following subset of control characters may be deleted by INTTRA in the inbound message from the Customer, to allow accurate processing by INTTRA and the carriers:

- Hex 0x01 through Hex 0x1F, **excluding Hex 0x0A (line feed) and 0x0D (carriage return)**.
- Hex 0x7F
- Hex 0x80 through Hex 0x9F

While presence of these characters will not cause inbound messages to fail, the message will be stripped of these characters before storing or sending to carriers.

Characters outside of the range of Hex 0x01 to 0xFF are not supported by INTTRA and should not be sent. Character entities (Ex. &#39;) should not be used. Inbound Customer transactions containing these values will be failed. General entities (Ex. &amp;) are acceptable by INTTRA.

### B. Numeric Conventions

1. General numeric conventions for decimal values
  - Decimal must be represented using the dot ('.') e.g., 10455.12 or 45.8735
  - Group separators must not be sent. e.g., 10,455.125 is invalidThe applicable precision varies by type of numeric data and is defined for each relevant element.
2. Numeric elements representing counts must be supplied as whole numbers without group separators.

### C. Email Format Conventions

INTTRA checks email addresses for format validity, using the following rules:

- Minimum length is 6 characters (Example: [a@b.cd](mailto:a@b.cd))

- Only one @ sign
- At least one dot ('.') after @ with at least one character in between
- Must have at least 2 characters after the last dot
- Allowed characters:
  - INTTRA supports
  - ASCII characters, hash sign “#”, apostrophe “'”,
  - Digits
  - \_, -, @, .
- Disallowed characters:
  - All others not mentioned including ; , ‘ ‘ / \, etc.

#### **D. Date Format Conventions**

1. INTTRA’s implementation includes date fields with the following formats:
  - Date alone, in the format CCYYMMDD
  - Date accompanied by time, in the format CCYYMMDDHHMM
2. When present, the time component is assumed to be in 24 hour format.
3. Unless explicitly stated in the IG to be considered as GMT/UTC, date/time values are considered to be local at the point of activity.

## **IV. Standards Code Lists, Master Data Catalogues**

The following code lists are used by INTTRA to validate specific elements in the VERMAS message. These validations are strictly applied, and any coded values sent must conform to the published code lists maintained at INTTRA. Contact your INTTRA Project Manager (IPM) for the current code lists supported by INTTRA.

#### **A. ISO Country Codes**

INTTRA uses 2-character ISO Country code (ISO 3166 2A) lists to validate country codes in the message set. Messages with invalid country codes will be failed.

#### **B. ISO Container Codes**

INTTRA supports a specific list of ISO Container codes. Incoming container types will be validated strictly against this list of ISO Container codes. INTTRA stores Container codes as received on the inbound transactions.

#### **C. Coded Locations**

INTTRA provides support for coded locations in the form of standard UNLOC codes and Customer geography aliases. When INTTRA receives a coded location, it is validated against master location data, if not valid then message will fail.

INTTRA recommends that Customers use UN Location codes for all locations provided. This eliminates ambiguity and facilitates effective change detection and reporting.

In general, it is best to provide both a code and a clear, consistent, text description for all locations. Departure from this recommended behavior may cause processing delays.

INTTRA will not make any attempt to resolve free text literals to coded geographies, or to reconcile coded information with information supplied in the literals.

In outbound transactions, recipient alias will be supplied for coded geographies for which the recipient has established aliases. When there is no recipient alias, the UNLOC code will be sent for coded geographies.

Any location literals provided by the customer will be sent to the recipient.

#### **D. Coded Parties**

INTTRA recommends that parties in incoming transactions be identified by one of the following identity coding conventions.

1. INTTRA company ID; must be a valid INTTRA-assigned company ID and indicates a company registered with INTTRA.
2. Alias registered by the Submitter, must resolve to a valid INTTRA-assigned company ID and indicates a company registered with INTTRA.

Messages with invalid values for codes subject to strict validation will be failed. INTTRA will not make any attempt to resolve free text literals provided by the Submitter to coded parties, or to reconcile coded information with information supplied in the literals.

In outbound transactions, recipient alias will be supplied for registered parties for which the recipient has established aliases. When there is no recipient alias, the INTTRA ID will be supplied for registered parties.

When parties are provided, INTTRA recommends that submitters provide ISO Country code, State Code and Postal Code in structured fields, in addition to the full name and address, as this will further reduce ambiguity in party identification.

Any party literals provided in an inbound message will be sent to outbound recipients.

## V. VGM Determination methods

The SOLAS regulations define two methods by which the shipper may obtain the verified gross mass of a packed container (SOLAS Regulations 2 Chapter VI §§ 4-6):

Method No.1: Upon the conclusion of packing and sealing a container, the shipper may weigh, or have arranged that a third party weighs, the packed container.

Method No.2: The shipper (*or, by arrangement of the shipper, a third party*), may weigh all packages and cargo items, including the mass of pallets, dunnage and other packing and securing material to be packed in the container, and add the tare mass of the container to the sum of the single masses using a certified method as described in paragraphs 5.1.2.3 and 5.1.2.3.1. Any third party that has performed some or all of the packing of the container should inform the shipper of the mass of the cargo items and packing and securing material that the party has packed into the container in order to facilitate the shipper's verification of the gross mass of the packed container under Method No.2. As required by SOLAS VI/2 and paragraph 5, the shipper should ensure that the verified gross mass of the container is provided sufficiently in advance of vessel loading. How such information is to be communicated between the shipper and any third party should be agreed between the commercial parties involved.

## VI. State Transition

		PROPOSED STATE		
		ORIGINAL	AMEND	CANCEL
EXISTING STATE	NONE	✓	✓*	✗
	ORIGINAL	✗	✓	✓
	AMENDED	✗	✓	✓
	CANCELLED	✓**	✗	Ignored

Legends used in the table above:

State Transition:

Allowed State Transition: ✓

INTTRA will process Amend as Original if Original does not exist: ✓\*

INTTRA will create a new VGM and issue a new eVGM ID. The existing Cancelled VGM is not reactivated ✓\*\*

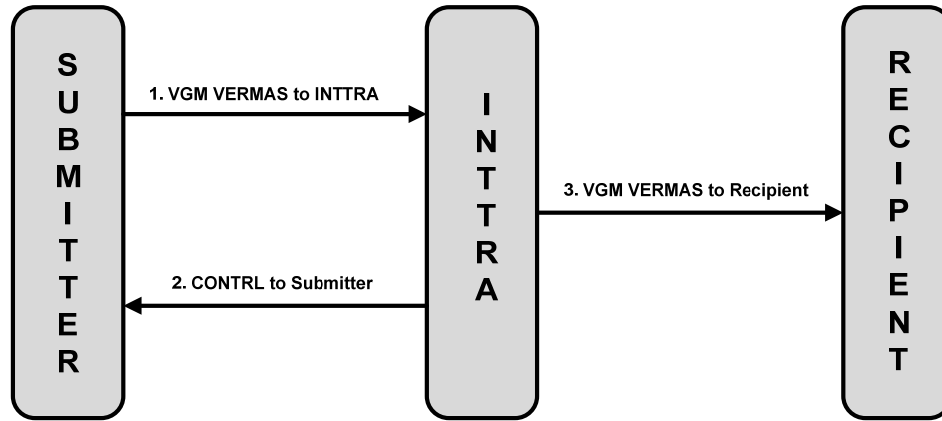
Not Allowed State Transition: ✗

Ignored State Transition: Ignored

## VII. Duplicate Container VGM

A Container VGM is considered duplicate when the Submitter (Group 2, Segment 80, 3035 = 'TB'), Submitter's VGM Transaction Reference (Group 4, Segment 140, RFF C506, 1153 = 'AOW'), and Container Number (Group 4, Segment 130, EQD C237, 8260) or eVGM ID are all the same and the Message Function Code is "Original" (Segment 20, BGM 1225 = '9').

## VIII. Message Flow



1. Submitter sends to INTTRA a VGM VERMAS transaction per INTTRA Message Specification via communication methods detailed in the INTTRA Connectivity Guide.
2. INTTRA system issues a CONTRL Acknowledgment transaction to the Submitter (if requested).
3. INTTRA's proprietary Portal Application performs message and content validation then issues the VGM to the Recipient via INTTRA VERMAS.

## IX. VERMAS Message Revision History

### A. Changes from version 1.0 (May 31, 2016) to version 1.1 (January 13, 2017)

Added the UNA segment (Optional).

00270-NAD C082,3055 changed from confitional to mandatory.

00100-CTA added note "Success" and "Error" notifications will be sent to Notification contact ("NT") email addresses.

00290-CTA added note Only "Success" (not Error) notifications will be sent to Notification contact ("NT") email addresses.

## X. VERMAS Message Specification

### A. Message Hierarchy

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
9	00000	UNA	Service String Advice	O	1		
10	00005	UNB	Interchange Header	M	1		
12	00010	UNH	Message Header	M	1		
14	00020	BGM	Beginning of Message	M	1		
16	00030	DTM	Date/Time/Period	M	1		
Not Used	00040		Segment Group 1: RFF-DTM	C		9	
Not Used	00050	RFF	Reference	M	1		
Not Used	00060	DTM	Date/Time/Period	C	9		
	00070		Segment Group 2: NAD-SG3	M		1	
18	00080	NAD	Name and Address	M	1		
	00090		Segment Group 3: CTA-COM	O		2	
21	00100	CTA	Contact Information	M	1		
22	00110	COM	Communication Contact	M	9		
	00120		Segment Group 4: EQD-RFF-LOC-SEL-SG5-SG6-SG7	M		99999	
24	00130	EQD	Equipment Details	M	1		
26	00140	RFF	Reference	M	7		
28	00150	LOC	Place/Location Identification	O	2		
30	00160	SEL	Seal Number	O	9		
	00170		Segment Group 5: MEA-DTM	M		4	
33	00180	MEA	Measurements	M	1		
35	00190	DTM	Date/Time/Period	O	1		
Not Used	00200		Segment Group 6: TDT-RFF	C		9	
Not Used	00210	TDT	Transport Information	M	1		
Not Used	00220	RFF	Reference	C	9		
	00230		Segment Group 7: DOC-DTM-SG8	M		4	
37	00240	DOC	Document/Message Details	M	1		
39	00250	DTM	Date/Time/Period	C	2		
	00260		Segment Group 8: NAD-SG9	C		7	
42	00270	NAD	Name and Address	M	1		
	00280		Segment Group 9: CTA-COM	O		3	
46	00290	CTA	Contact Information	M	1		
48	00300	COM	Communication Contact	C	9		
49	00310	UNT	Message Trailer	M	1		
50	00320	UNZ	Interchange Trailer	M	1		



**Segment: UNA Service String Advice**

**Position:** 0000  
**Group:**  
**Level:** 0  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.

**Dependency Notes:**

**Semantic Notes:**

**Comments:**

**Notes:**

UNA:+.? '

Component Data Element Separator, Data Element Separator and Segment Terminator must each be unique.

Standard UNA delimiters are;  
UNA1 Component data element separator :  
UNA2 Data element separator +  
UNA3 Decimal Notation .  
UNA4 Release indicator ?  
UNA5 Repetition separator (space)  
UNA6 Segment Terminator ‘

If you wish to deviate from these separators or delimiter please send the UNA segment indicating your preferences.

Any character designated as a separator or delimiter must be escaped when used in a data element.

INTTRA will only accept (.) for UNA3 and ( ) for UNA5.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
UNA1		<b>Component Data Element Separator</b> Character used to separate elements.	M	an1
UNA2		<b>Data Element Separator</b> Character used to separate elements.	M	an1
UNA3		<b>Decimal Notation</b> Character used as decimal notation. Accepted Values: .	M	an1
UNA4		<b>Release Indicator</b> Character used as release indicator.	M	an1
UNA5		<b>Repetition Separator</b> Character used to separate repeating elements. Accepted Values: Space character	M	an1
UNA6		<b>Segment Terminator</b> Character used to indicate end of segment.	M	an1

**Segment:** UNB Interchange Header  
**Position:** 00005  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To start, identify and specify an interchange  
**Semantic Notes:**  
**Comments:**  
**Business Rules:** Variable Name: UNB  
**Notes:** UNB+UNOC:3+SUBMITTER\_ID:ZZZ+INTTRA:ZZZ+170113:1430+100

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
S001		<b>SYNTAX IDENTIFIER</b>	<b>M</b>	<b>1</b>
		Identification of the agency controlling the syntax and indication of syntax level.		
	<b>0001</b>	<b>Syntax identifier</b>	<b>M</b>	<b>a4</b>
		Coded identification of the agency controlling a syntax and syntax level used in an interchange. Accepted Value: UNOC UN/ECE level C As defined in ISO/IEC 8859-1 : Information technology - Part 1: Latin alphabet No. 1.		
S002	<b>0002</b>	<b>Syntax version number</b>	<b>M</b>	<b>n1</b>
		Version number of the syntax identified in the syntax identifier (0001). Accepted Value: 3 Version 3 ISO 9735 Amendment 1:1992.		
		<b>INTERCHANGE SENDER</b>	<b>M</b>	<b>1</b>
		Identification of the sender of the interchange.		
Not Used	<b>0004</b>	<b>Sender identification</b>	<b>M</b>	<b>an..35</b>
		Name or coded representation of the sender of a data interchange.		
	<b>0007</b>	<b>Partner identification code qualifier</b>	<b>O</b>	<b>an..4</b>
		Qualifier referring to the source of codes for the identifiers of interchanging partners. Accepted Value: ZZZ Mutually defined Mutually defined between trading partners.		
Not Used	<b>0008</b>	<b>Address for reverse routing</b>	<b>C</b>	<b>an..14</b>
	S003	<b>INTERCHANGE RECIPIENT</b>	<b>M</b>	<b>1</b>
		Identification of the recipient of the interchange.		
	<b>0010</b>	<b>Recipient identification</b>	<b>M</b>	<b>an..35</b>
Not Used		Name or coded representation of the recipient of a data interchange.		
	<b>0007</b>	<b>Partner identification code qualifier</b>	<b>O</b>	<b>an..4</b>
		Qualifier referring to the source of codes for the identifiers of interchanging partners. Accepted Value: ZZZ Mutually defined Mutually defined between trading partners.		
	<b>0014</b>	<b>Routing address</b>	<b>C</b>	<b>an..14</b>
S004	<b>DATE AND TIME OF PREPARATION</b>	<b>M</b>	<b>1</b>	

			Date and time of preparation of the interchange.		
	<b>0017</b>	<b>Date of preparation</b>		<b>M</b>	<b>n6</b>
			Local date when an interchange or a functional group was prepared.		
			Format YYMMDD		
	<b>0019</b>	<b>Time of preparation</b>		<b>M</b>	<b>n4</b>
			Local time of day when an interchange or a functional group was prepared.		
			Assumed to be UTC (GMT) Time.		
			The twenty-four hour clock system must be used to express time. Time must be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour.		
			Examples :		
			12:45 a.m. is expressed as 0045		
			12:00 noon is expressed as 1200		
			11:45 p.m. is expressed as 2345		
			12:00 midnight is expressed as 0000		
			1:30 a.m. is expressed as 0130		
			1:45 p.m. is expressed as 1345		
			4:30 p.m. is expressed as 1630		
	<b>0020</b>	<b>INTERCHANGE CONTROL REFERENCE</b>		<b>M</b>	<b>1 an..14</b>
			Unique reference assigned by the sender to an interchange.		
<b>Not Used</b>	<b>S005</b>	<b>RECIPIENTS REFERENCE PASSWORD</b>		<b>C</b>	<b>1</b>
			Reference or password as agreed between the communicating partners.		
<b>Not Used</b>	<b>0022</b>	<b>Recipient reference/password</b>		<b>M</b>	<b>an..14</b>
			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.		
<b>Not Used</b>	<b>0025</b>	<b>Recipient reference/password qualifier</b>		<b>C</b>	<b>an2</b>
			Qualifier for the recipient's reference or password.		
			Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>0026</b>	<b>APPLICATION REFERENCE</b>		<b>C</b>	<b>1 an..14</b>
<b>Not Used</b>	<b>0029</b>	<b>PROCESSING PRIORITY CODE</b>		<b>C</b>	<b>1 a1</b>
			Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>0031</b>	<b>ACKNOWLEDGEMENT REQUEST</b>		<b>C</b>	<b>1 n1</b>
			Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>0032</b>	<b>COMMUNICATIONS AGREEMENT ID</b>		<b>C</b>	<b>1 an..35</b>
<b>Not Used</b>	<b>0035</b>	<b>TEST INDICATOR</b>		<b>C</b>	<b>1 n1</b>
			Refer to D.16A 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 a message. The message type code for the Verified gross mass message is VERMAS.

**Semantic Notes:**

**Comments:**

**Notes:** UNH+80+VERMAS:D:16A:UN:1.0

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
0062		<b>MESSAGE REFERENCE NUMBER</b> Unique message reference assigned by the sender.	M 1 an..14
S009		<b>MESSAGE IDENTIFIER</b> Identification of the type, version etc. of the message being interchanged.	M 1
0065		<b>Message type identifier</b> Code identifying a type of message and assigned by its controlling agency.	M an..6
Accepted Value:			
	VERMAS	Verified gross mass message A code to identify the gross mass message	
0052		<b>Message type version number</b> Version number of a message type.	M an..3
Accepted Value:			
	D	Draft version/UN/EDIFACT Directory Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).	
0054		<b>Message type release number</b> Release number within the current message type version number (0052).	M an..3
Accepted Value:			
	16A	Release 2016 - A Message approved and issued in the first 2016 release of the UNTDID (United Nations Trade Data Interchange Directory).	
0051		<b>Controlling agency</b> Code identifying the agency controlling the specification, maintenance and publication of the message type.	M an..2
Accepted Value:			
	UN	UN/CEFACT United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT).	
0057		<b>Association assigned code</b> Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. Used to indicate the INTTRA IG version.	C an..6
Accepted Value:			
	1.0		
Not Used	0068	<b>COMMON ACCESS REFERENCE</b>	C 1 an..35

<b>Not Used</b>	<b>S010</b>	<b>STATUS OF THE TRANSFER</b>	<b>C</b>	<b>1</b>
		Statement that the message is one in a sequence of transfers relating to the same topic.		
<b>Not Used</b>	<b>0070</b>	<b>Sequence message transfer number</b>	<b>M</b>	<b>n..2</b>
		Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.		
<b>Not Used</b>	<b>0073</b>	<b>First/last sequence message transfer indication</b>	<b>C</b>	<b>a1</b>
		Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Refer to D.16A Data Element Dictionary for acceptable code values.		

**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 the message and to transmit the identifying number.

**Semantic Notes:**

**Comments:**

**Notes:**

BGM+VGM+8394887+9

For an Original VGM (1225 = 9), the combination of Submitter (Group 2, Segment 00080, 3035 = 'TB'), Submitter's VGM Transaction Reference (Group 4 00140-RFF, C506,1153 = 'AOW'), and Container Number (Group 4 00130-EQD C237,8260) must be unique among all non terminated (not Cancelled) VGM transactions from the Submitter.

To Amend (1225 = 4) or Cancel (1225 = 1) a VGM transaction, the incoming transaction must match an existing VGM by the combination of Submitter, Submitter's VGM Transaction Reference (Group 4 00140-RFF, C506,1153 = 'AOW') and Container Number (Group 4 00130-EQD C237,8260). If the incoming transaction contains INTTRA eVGM ID (Group 4 00140-RFF C506, 1153 = 'ACD') then the VGM located must match the Submitter's VGM Transaction Reference (Group 4 00140-RFF, C506,1153 = 'AOW') and Container Number (Group 4 00130-EQD C237,8260) of the incoming transaction.

If an incoming Amend (1225 = 4) VGM transaction does not match an existing VGM by the combination of Submitter, Submitter's VGM Transaction Reference (Group 4 00140-RFF, C506,1153 = 'AOW') and Container Number (Group 4 00130-EQD C237,8260) the transaction will be processed as an Original.

BGM Status will apply to all Containers within the transaction (UNH to UNT)

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C002		DOCUMENT/MESSAGE NAME	M 1
		Identification of a type of document/message by code or name. Code preferred.	
	1001	Document name code	M an..3
		Code specifying the document name.	
		Accepted Value:	
		VGM VERMAS transaction	
Not Used	1131	Code list identification code	C an..17
Not Used	3055	Code list responsible agency code	C an..3
		Refer to D.16A Data Element Dictionary for acceptable code values.	
Not Used	1000	Document name	C an..35
	C106	DOCUMENT/MESSAGE IDENTIFICATION	M 1
		Identification of a document/message by its number and eventually its version or revision.	
	1004	Document identifier	M an..70
		To identify a document.	
		Transaction unique identifier (not processed by INTTRA).	
Not Used	1056	Version identifier	C an..9
Not Used	1060	Revision identifier	C an..6
	1225	MESSAGE FUNCTION CODE	M 1 an..3
		Code indicating the function of the message.	

Accepted Values:

1	Cancellation Message cancelling a previous transmission for a given transaction.
4	Change Message containing items to be changed.
9	Original Initial transmission related to a given transaction.

<b>Not Used</b>	<b>4343</b>	<b>RESPONSE TYPE CODE</b>	<b>C</b>	<b>1 an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>1373</b>	<b>DOCUMENT STATUS CODE</b>	<b>C</b>	<b>1 an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>3453</b>	<b>LANGUAGE NAME CODE</b>	<b>C</b>	<b>1 an..3</b>

**Segment:** **DTM** Date/Time/Period  
**Position:** 00030  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to indicate dates and time.

**Semantic Notes:**

**Comments:**

**Notes:**

DTM+137:201701131430:203

Transaction creation date.

Time is assumed to be UTC/GMT.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C507		<b>DATE/TIME/PERIOD</b>	<b>M 1</b>
		Date and/or time, or period relevant to the specified date/time/period type.	
	2005	<b>Date or time or period function code qualifier</b>	<b>M an..3</b>
		Code qualifying the function of a date, time or period.	
		Accepted Value:	
		137 Document issue date time	
		[2007] Date that a document was issued and when appropriate, signed or otherwise authenticated.	
	2380	<b>Date or time or period text</b>	<b>M an..35</b>
		The value of a date, a date and time, a time or of a period in a specified representation.	
	2379	<b>Date or time or period format code</b>	<b>M an..3</b>
		Code specifying the representation of a date, time or period.	
		Accepted Value:	
		203 CCYYMMDDHHMM	
		Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	
		The twenty-four hour clock system must be used to express time. Time must be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour.	
		Examples :	
		12:45 a.m. is expressed as 0045	
		12:00 noon is expressed as 1200	
		11:45 p.m. is expressed as 2345	
		12:00 midnight is expressed as 0000	
		1:30 a.m. is expressed as 0130	
		1:45 p.m. is expressed as 1345	
		4:30 p.m. is expressed as 1630	



**Group:** **NAD** Segment Group 2: Name and Address  
**Position:** 00070  
**Group:**  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A group of segments to identify a party and contacts.

Segment Summary			Req.	Max.	Group:
<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
00080	NAD	Name and Address	M	1	
00090		Segment Group 3: Contact Information	O		2

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

**Semantic Notes:**

**Comments:**

**Notes:**

NAD+TB+810403::192++SUBMITTER NAME+76 OAK TREE ROAD+EDISON+NJ+07281+US

TB ( Submitter) is mandatory and it must be an INTTRA registered party.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
	<b>3035</b>	<b>PARTY FUNCTION CODE QUALIFIER</b> Code giving specific meaning to a party. Accepted Value: TB Submitter To specify that the party is a submitter.	<b>M 1 an..3</b>
	<b>C082</b>	<b>PARTY IDENTIFICATION DETAILS</b> Identification of a transaction party by code.	<b>M 1</b>
	<b>3039</b>	<b>Party identifier</b> Code specifying the identity of a party.	<b>M an..35</b>
<b>Not Used</b>	<b>1131</b>	<b>Code list identification code</b>	<b>C an..17</b>
	<b>3055</b>	<b>Code list responsible agency code</b> Code specifying the agency responsible for a code list. Accepted Values: 86 Assigned by party originating the message Codes assigned by the party originating the message. Assigned by Submitter. If qualifier '86' is used, the code sent in element C082,3039 must be established in INTTRA's alias table. 192 Shipper's association Code assigned by a shipper's association. INTTRA assigned code	<b>M an..3</b>
<b>Not Used</b>	<b>C058</b>	<b>NAME AND ADDRESS</b> Unstructured name and address: one to five lines.	<b>C 1</b>
<b>Not Used</b>	<b>3124</b>	<b>Name and address description</b> Free form description of a name and address line.	<b>M an..35</b>
<b>Not Used</b>	<b>3124</b>	<b>Name and address description</b> Free form description of a name and address line.	<b>C an..35</b>
<b>Not Used</b>	<b>3124</b>	<b>Name and address description</b> Free form description of a name and address line.	<b>C an..35</b>
<b>Not Used</b>	<b>3124</b>	<b>Name and address description</b> Free form description of a name and address line.	<b>C an..35</b>
<b>Not Used</b>	<b>3124</b>	<b>Name and address description</b> Free form description of a name and address line.	<b>C an..35</b>
	<b>C080</b>	<b>PARTY NAME</b> Identification of a transaction party by name, one to five lines. Party name may	<b>O 1</b>

		be formatted.		
	3036	<b>Party name</b>	M	an..70
		Name of a party.		
	3036	<b>Party name</b>	O	an..70
		Name of a party.		
Not Used	3036	<b>Party name</b>	C	an..70
Not Used	3036	<b>Party name</b>	C	an..70
Not Used	3036	<b>Party name</b>	C	an..70
Not Used	3045	<b>Party name format code</b>	C	an..3
		Refer to D.16A Data Element Dictionary for acceptable code values.		
	<b>C059</b>	<b>STREET</b>	O	1
		Street address and/or PO Box number in a structured address: one to four lines.		
	3042	<b>Street and number or post office box identifier</b>	M	an..35
		To identify a street and number and/or Post Office box number.		
	3042	<b>Street and number or post office box identifier</b>	O	an..35
		To identify a street and number and/or Post Office box number.		
	3042	<b>Street and number or post office box identifier</b>	O	an..35
		To identify a street and number and/or Post Office box number.		
	3042	<b>Street and number or post office box identifier</b>	O	an..35
		To identify a street and number and/or Post Office box number.		
	<b>3164</b>	<b>CITY NAME</b>	O	1 an..35
		Name of a city.		
	<b>C819</b>	<b>COUNTRY SUBDIVISION DETAILS</b>	O	1
		To specify a country subdivision, such as state, canton, county, prefecture.		
	3229	<b>Country subdivision identifier</b>	M	an..9
		To identify a country subdivision, such as state, canton, county, prefecture.		
Not Used	1131	<b>Code list identification code</b>	C	an..17
Not Used	3055	<b>Code list responsible agency code</b>	C	an..3
		Refer to D.16A Data Element Dictionary for acceptable code values.		
Not Used	3228	<b>Country subdivision name</b>	C	an..70
	3251	<b>POSTAL IDENTIFICATION CODE</b>	O	1 an..17
		Code specifying the postal zone or address.		
	3207	<b>COUNTRY IDENTIFIER</b>	O	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.		
		Valid 2 character ISO country code.		

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

**Segment Summary**

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

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

**Semantic Notes:**

**Comments:**

**Notes:**

CTA+IC+:SUBMITTER CONTACT

Spaces and/or dots alone must not be sent for Contact Name (C056, 3412).

For Notification contact (3139 = "NT") the only valid Communication address identifier (00110-COM C076,3148) is an email address.

"Success" and "Error" notifications will be sent to Notification contact ("NT") email addresses.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3139		<b>CONTACT FUNCTION CODE</b>	<b>M 1 an..3</b>
		Code specifying the function of a contact (e.g. department or person).	
		Accepted Values:	
	IC	Information contact Department/person to contact for questions regarding transactions.	
	NT	Notification contact Department/employee to be notified. Email VGM transaction recipient	
C056		<b>CONTACT DETAILS</b>	<b>M 1</b>
		Code and/or name of a contact such as a department or employee. Code preferred.	
Not Used	3413	<b>Contact identifier</b>	<b>C an..17</b>
	3412	<b>Contact name</b>	<b>M an..256</b>
		Name of a contact, such as a department or employee.	

**Segment:** **COM** **Communication Contact**  
**Position:** 00110  
**Group:** Segment Group 3 (Contact Information)      Optional (Optional)  
**Level:** 3  
**Usage:** Mandatory  
**Max Use:** 9  
**Purpose:** A segment to identify communication numbers or email addresses for a person or department to whom communication should be directed.

**Semantic Notes:**

**Comments:**

**Notes:**

COM+390 498 3332:TE

An email address is the only valid Communication address identifier (C076,3148) for Contact function code (00100-CTA,3139) NT.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C076		COMMUNICATION CONTACT	M 1
		Communication number of a department or employee in a specified channel.	
	3148	<b>Communication address identifier</b> To identify a communication address.	M an..512
	3155	<b>Communication means type code</b> Code specifying the type of communication address.	M an..3
<b>Accepted Values:</b>			
	EM	Electronic mail Exchange of mail by electronic means. Must be used when Contact function code (00100-CTA,3139) = "NT". Email address is subject to validation as outlined in the preamble of this document.	
	FX	Telefax Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.	
	TE	Telephone Voice/data transmission by telephone.	

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

**Segment Summary**

<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
00130	EQD	Equipment Details	M	1	
00140	RFF	Reference	M	7	
00150	LOC	Place/Location Identification	O	2	
00160	SEL	Seal Number	O	9	
00170		Segment Group 5: Measurements	M		4
00230		Segment Group 7: Document/Message Details	M		4

**Segment:** **EQD** Equipment Details  
**Position:** 00130 (Trigger Segment)  
**Group:** Segment Group 4 (Equipment Details) Mandatory  
**Level:** 1  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to identify the transport equipment.

**Semantic Notes:**

**Comments:**

**Notes:**

EQD+CN+MRKU2849270:6346:5+45G0:6346:5

EQD+CN+TAKU1260179:6346:5+22T6:6346:5+1

Container is assumed to be carrier owned unless otherwise indicated

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
8053		<b>EQUIPMENT TYPE CODE QUALIFIER</b>	M	1 an..3
		Code qualifying a type of equipment.		
		Accepted Value:		
		Refer to D.16A Data Element Dictionary for acceptable code values.		
	C237	<b>EQUIPMENT IDENTIFICATION</b>	M	1
		Marks (letters/numbers) identifying equipment.		
	8260	<b>Equipment identifier</b>	M	an..17
		To identify equipment.		
	1131	<b>Code list identification code</b>	M	an..17
		Code identifying a user or association maintained code list.		
		Accepted Value:		
		6346 Container id ISO 6346		
	3055	<b>Code list responsible agency code</b>	M	an..3
		Code specifying the agency responsible for a code list.		
		Accepted Value:		
		5 ISO (International Organization for Standardization) International Organization of Standardization.		
Not Used	3207	<b>Country identifier</b>	C	an..3
	C224	<b>EQUIPMENT SIZE AND TYPE</b>	O	1
		Code and or name identifying size and type of equipment. Code preferred.		
	8155	<b>Equipment size and type description code</b>	M	an..10
		Code specifying the size and type of equipment.		
		Refer to D.16A Data Element Dictionary for acceptable code values.		
	1131	<b>Code list identification code</b>	M	an..17
		Code identifying a user or association maintained code list.		
		Accepted Value:		
		6346 Size and type code according to ISO 6346		
	3055	<b>Code list responsible agency code</b>	M	an..3
		Code specifying the agency responsible for a code list.		
		Accepted Value:		
		5 ISO (International Organization for Standardization) International Organization of Standardization.		
Not Used	8154	<b>Equipment size and type description</b>	C	an..35
	8077	<b>EQUIPMENT SUPPLIER CODE</b>	C	1 an..3



Code specifying the party that is the supplier of the equipment.

Accepted Value:

1	Shipper supplied The transport equipment is supplied by the shipper. Shipper owned container
---	--

<b>Not Used</b>	<b>8249</b>	<b>EQUIPMENT STATUS CODE</b>	<b>C</b>	<b>1</b>	<b>an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.			
<b>Not Used</b>	<b>8169</b>	<b>FULL OR EMPTY INDICATOR CODE</b>	<b>C</b>	<b>1</b>	<b>an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.			
<b>Not Used</b>	<b>4233</b>	<b>MARKING INSTRUCTIONS CODE</b>	<b>C</b>	<b>1</b>	<b>an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.			

**Segment:** **RFF** Reference  
**Position:** 00140  
**Group:** Segment Group 4 (Equipment Details) Mandatory  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 7  
**Purpose:** A segment to specify a reference to the transport equipment.

**Semantic Notes:**

**Comments:**

**Notes:**

RFF+BN:90300221

RFF+AOW:UG3900293

Either Carrier Booking Number (C506,1153 = BN) or Bill of Lading Number (C506,1153 = BM) must be provided when authorizing signature (Group 9 00290-CTA-3189 = "RP") is present.

Submitter's VGM transaction reference (C506,1153 = AOW) is mandatory. It is intended to provide an identifier for the VGM transaction that can be used to relate it to associated transportation documents.

Only one of each type of reference may be provided per EQD.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C506		<b>REFERENCE</b> Identification of a reference.	M 1
	1153	<b>Reference code qualifier</b> Code qualifying a reference.	M an..3
<b>Accepted Values:</b>			
	ACD	Additional reference number [1010] Reference number provided in addition to another given reference.	
	AOW	Transportation Control Number (TCN) A number assigned for transportation purposes. Submitter's VGM transaction reference	
	BM	Bill of lading number Reference number assigned to a bill of lading, see: 1001 = 705.	
	BN	Consignment identifier, carrier assigned [1016] Reference number assigned by a carrier of its agent to identify a specific consignment such as a booking reference number when cargo space is reserved prior to loading.	
	FF	Carrier Booking Number Consignment identifier, freight forwarder assigned [1460] Reference number assigned by the freight forwarder to identify a particular consignment.	
	SI	SID (Shipper's identifying number for shipment) A number that identifies the SID (shipper's identification) number for a shipment.	
	ZZZ	Mutually defined reference number Number based on party agreement. Mutually defined between parties	

	<b>1154</b>	<b>Reference identifier</b> Identifies a reference.	<b>M</b>	<b>an..70</b>
<b>Not Used</b>	<b>1156</b>	<b>Document line identifier</b>	<b>C</b>	<b>an..6</b>
<b>Not Used</b>	<b>1056</b>	<b>Version identifier</b>	<b>C</b>	<b>an..9</b>
<b>Not Used</b>	<b>1060</b>	<b>Revision identifier</b>	<b>C</b>	<b>an..6</b>

**Segment:** **LOC** Place/Location Identification  
**Position:** 00150  
**Group:** Segment Group 4 (Equipment Details) Mandatory  
**Level:** 2  
**Usage:** Optional (Optional)  
**Max Use:** 2  
**Purpose:** A segment to identify a place or a location related to the transport equipment.

**Semantic Notes:**

**Comments:**

**Notes:**

LOC+138+USALB:181:6:ALBANY+US:162:5

LOC+138+:::BETHLEHEM+IL:162:5

LOC+76+DEHAM:181:6:HAMBURG+DE:162:5

Location code (C517,3225) or city name (C517,3224) and country code (C519) must be provided. Code is preferred.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3227		<b>LOCATION FUNCTION CODE QUALIFIER</b>	<b>M 1 an..3</b>
		Code identifying the function of a location.	
		Accepted Values:	
	76	Original port of loading (3099) The port where the goods were first loaded on a vessel.	
	138	Weighting place Place where weight can be ascertained. Location where VGM weight was determined	
<b>C517</b>		<b>LOCATION IDENTIFICATION</b>	<b>M 1</b>
		Identification of a location by code or name.	
	<b>3225</b>	<b>Location identifier</b>	<b>C an..35</b>
		To identify a location. If Location name (3224) is not supplied then this element must be supplied.	
	<b>1131</b>	<b>Code list identification code</b>	<b>C an..17</b>
		Code identifying a user or association maintained code list. If Location identifier (C517,3225) is supplied then this element must also be supplied.	
		Accepted Value:	
	181	Activity	
	<b>3055</b>	<b>Code list responsible agency code</b>	<b>C an..3</b>
		Code specifying the agency responsible for a code list. If Location identifier (C517,3225) is supplied then this element must also be supplied.	
		Accepted Values:	
	6	UN/ECE (United Nations - Economic Commission for Europe) United Nations Economic Commission for Europe.	
	86	Assigned by party originating the message Codes assigned by the party originating the message.	
	<b>3224</b>	<b>Location name</b>	<b>C an..256</b>
		Name of the location.	

			If Location identifier (C517,3225), code list identification code (C517,1131) and code list responsible agency code (C517, 3055) are not supplied then this element must be supplied.	
	<b>C519</b>		<b>RELATED LOCATION ONE IDENTIFICATION</b>	<b>C 1</b>
			Identification the first related location by code or name.	
		<b>3223</b>	<b>First related location identifier</b>	<b>M an..35</b>
			To identify a first related location.	
			Two character ISO country code	
			If Location identifier (C517,3225), code list identification code (C517,1131) and code list responsible agency code (C517, 3055) are not supplied then this element must be supplied.	
		<b>1131</b>	<b>Code list identification code</b>	<b>M an..17</b>
			Code identifying a user or association maintained code list.	
			If first related location identifier (C519,3223) is supplied then this element must also be supplied.	
			Accepted Value:	
			162	Country
		<b>3055</b>	<b>Code list responsible agency code</b>	<b>M an..3</b>
			Code specifying the agency responsible for a code list.	
			Accepted Value:	
			5	ISO (International Organization for Standardization) International Organization of Standardization.
<b>Not Used</b>		<b>3222</b>	<b>First related location name</b>	<b>C an..70</b>
<b>Not Used</b>	<b>C553</b>		<b>RELATED LOCATION TWO IDENTIFICATION</b>	<b>C 1</b>
			Identification of second related location by code or name.	
<b>Not Used</b>		<b>3233</b>	<b>Second related location identifier</b>	<b>C an..35</b>
			To identify a second related location.	
<b>Not Used</b>		<b>1131</b>	<b>Code list identification code</b>	<b>C an..17</b>
			Code identifying a user or association maintained code list.	
<b>Not Used</b>		<b>3055</b>	<b>Code list responsible agency code</b>	<b>C an..3</b>
			Code specifying the agency responsible for a code list.	
			Refer to D.16A Data Element Dictionary for acceptable code values.	
<b>Not Used</b>		<b>3232</b>	<b>Second related location name</b>	<b>C an..70</b>
			Name of the second related location.	
<b>Not Used</b>	<b>5479</b>		<b>RELATION CODE</b>	<b>C 1 an..3</b>

**Segment:** **SEL** Seal Number  
**Position:** 00160  
**Group:** Segment Group 4 (Equipment Details) Mandatory  
**Level:** 2  
**Usage:** Optional (Optional)  
**Max Use:** 9  
**Purpose:** A segment to specify a seal number.

**Semantic Notes:**

**Comments:**

**Notes:** SEL+SH093888+SH

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
9308		<b>TRANSPORT UNIT SEAL IDENTIFIER</b> The identification number of a seal affixed to a transport unit.	M 1 an..35
C215		<b>SEAL ISSUER</b> Identification of the issuer of a seal on equipment either by code or by name.	M 1
	9303	<b>Sealing party name code</b> Code specifying the name of the sealing party.	M an..3
<b>Accepted Values:</b>			
	AC	Quarantine agency Agency responsible for the administration of statutory disease controls on the movement of people, animals and plants. Used for Veterinary Seal	
	CA	Carrier Party undertaking or arranging transport of goods between named points.	
	CU	Customs 'Customs' means the Government Service which is responsible for the administration of Customs law and the collection of duties and taxes and which also has the responsibility for the application of other laws and regulations relating to the importation, exportation, movement or storage of goods.	
	SH	Shipper Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him.	
	TO	Terminal operator Party which handles the loading and unloading of marine vessels.	
Not Used	1131	<b>Code list identification code</b>	C an..17
Not Used	3055	<b>Code list responsible agency code</b> Refer to D.16A Data Element Dictionary for acceptable code values.	C an..3
Not Used	9302	<b>Sealing party name</b>	C an..35
Not Used	4517	<b>SEAL CONDITION CODE</b> Refer to D.16A Data Element Dictionary for acceptable code values.	C 1 an..3
Not Used	C208	<b>IDENTITY NUMBER RANGE</b> Goods item identification numbers, start and end of consecutively numbered range.	C 1
Not Used	7402	<b>Object identifier</b> Code specifying the unique identity of an object.	M an..35
Not Used	7402	<b>Object identifier</b>	C an..35

**Not Used**      **4525**

Code specifying the unique identity of an object.

**SEAL TYPE CODE**

**C**      **1 an..3**

Refer to D.16A Data Element Dictionary for acceptable code values.

**Group:** **MEA** Segment Group 5: Measurements  
**Position:** 00170  
**Group:** Segment Group 4 (Equipment Details) Mandatory  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 4  
**Purpose:** A group of segments to specify the weight and date/time when it was determined.

**Segment Summary**

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



**Segment:** **MEA** Measurements  
**Position:** 00180 (Trigger Segment)  
**Group:** Segment Group 5 (Measurements)      Mandatory  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify weights.

**Semantic Notes:**  
**Comments:**  
**Notes:**

MEA+AAE+VGM+KGM:13319.5

Only one of each weight type (C502,6313) is allowed.

VGM weight (C502,6313 = "VGM") is mandatory.

All other weights are optional.

Measure (C174,6314) must be greater than 0.

All other weights are optional.

Weight must conform to below rules:

- Decimal must be represented using the dot ('.')
- Group separators are invalid
- Weight: Maximum 3 bytes of precision allowed:

examples: valid - "1000.123"    invalid - "1,000.123", "1.000,123"

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
6311		<b>MEASUREMENT PURPOSE CODE QUALIFIER</b>	<b>M 1 an..3</b>
		Code qualifying the purpose of the measurement.	
Accepted Value:			
	AAE	Measurement	
		[6314] To specify the value of a measurement.	
C502		<b>MEASUREMENT DETAILS</b>	<b>M 1</b>
		Identification of measurement type.	
	6313	<b>Measured attribute code</b>	<b>M an..3</b>
		Code specifying the attribute measured.	
Accepted Values:			
	AAD	Consignment gross weight	
		[6012] Total gross weight (mass) of all goods items referred to as one consignment including packaging but excluding any transport equipment.	
		Total weight of commodities loaded in the container	
	T	Tare weight	
		(6052) (6156) Weight excluding goods and loose accessories.	
		Container tare weight	
	VGM	Transport equipment verified gross mass (weight)	
		The gross mass (weight) of the transport equipment verified according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6.	
	ZZZ	Mutually defined	
		A code assigned within a code list to be used on an interim basis and as defined among trading partners until	

a precise code can be assigned to the code list.  
 Total weight of any dunnage, packing and/or bracing  
 used to secure the commodities loaded in the container

Not Used		<b>6321</b>	<b>Measurement significance code</b>	<b>C</b>	<b>an..3</b>
			Refer to D.16A Data Element Dictionary for acceptable code values.		
Not Used		<b>6155</b>	<b>Non-discrete measurement name code</b>	<b>C</b>	<b>an..17</b>
			Refer to D.16A Data Element Dictionary for acceptable code values.		
Not Used		<b>6154</b>	<b>Non-discrete measurement name</b>	<b>C</b>	<b>an..70</b>
	<b>C174</b>		<b>VALUE/RANGE</b>	<b>M</b>	<b>1</b>
			Measurement value and relevant minimum and maximum values of the measurement range.		
		<b>6411</b>	<b>Measurement unit code</b>	<b>M</b>	<b>an..8</b>
			Code specifying the unit of measurement.		
			Accepted Values:		
			KGM                      Kilograms		
			LBR                      Pounds		
		<b>6314</b>	<b>Measure</b>	<b>M</b>	<b>an..18</b>
			To specify the value of a measurement.		
Not Used		<b>6162</b>	<b>Range minimum quantity</b>	<b>C</b>	<b>n..18</b>
Not Used		<b>6152</b>	<b>Range maximum quantity</b>	<b>C</b>	<b>n..18</b>
Not Used		<b>6432</b>	<b>Significant digits quantity</b>	<b>C</b>	<b>n..2</b>
Not Used	<b>7383</b>		<b>SURFACE OR LAYER CODE</b>	<b>C</b>	<b>1 an..3</b>
			Refer to D.16A Data Element Dictionary for acceptable code values.		

**Segment:** **DTM** Date/Time/Period  
**Position:** 00190  
**Group:** Segment Group 5 (Measurements) Mandatory  
**Level:** 3  
**Usage:** Optional (Optional)  
**Max Use:** 1  
**Purpose:** A segment to specify a date and/or time when the gross mass was determined.

**Semantic Notes:**

**Comments:**

**Notes:**

DTM+798:201701210450:203

Date and time is expected to be local at the location where VGM weight was determined.

When Verification Date (Group 7 00250-DTM,C507,2005 = "225") is not present this date will be used to determine the latest VGM.

This date/time is not applicable for any other weight type (Group 5 00180-MEA,C502,6313 = "T", "AAD" or "ZZZ").

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>	
C507		DATE/TIME/PERIOD	M	1
		Date and/or time, or period relevant to the specified date/time/period type.		
	2005	Date or time or period function code qualifier	M	an..3
		Code qualifying the function of a date, time or period.		
		Accepted Value:		
		798		Verified gross mass determination date/time Date/Time when a gross mass (weight) of a packed container was obtained according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6.
	2380	Date or time or period text	M	an..35
		The value of a date, a date and time, a time or of a period in a specified representation.		
	2379	Date or time or period format code	M	an..3
		Code specifying the representation of a date, time or period.		
		Accepted Value:		
		203		CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes. The twenty-four hour clock system must be used to express time. Time must be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour.
		Examples :		
		12:45 a.m. is expressed as 0045		
		12:00 noon is expressed as 1200		
		11:45 p.m. is expressed as 2345		
		12:00 midnight is expressed as 0000		
		1:30 a.m. is expressed as 0130		
		1:45 p.m. is expressed as 1345		
		4:30 p.m. is expressed as 1630		

**Group:** **DOC** Segment Group 7: Document/Message Details  
**Position:** 00230  
**Group:** Segment Group 4 (Equipment Details) Mandatory  
**Level:** 2  
**Usage:** Mandatory  
**Max Use:** 4  
**Purpose:** A group of segments providing information about documentation related to the gross mass verification.

**Segment Summary**

<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
00240	DOC	Document/Message Details	M	1	
00250	DTM	Date/Time/Period	C	2	
00260		Segment Group 8: Name and Address	C	7	

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

**Semantic Notes:**

**Comments:**

**Notes:**

DOC+SHP:VGM:306

DOC+SM1:VGM:306

DOC+SM1:VGM:306:WGTT+WT3098182

DOC type "SHP" is mandatory and may only appear once per EQD loop (group 4).

For DOC type Responsible party (C002,1001 = "SHP") (C002,1000 = identity type description required by applicable regulations). For example, in Brazil, this would be one of CNPJ Number, CPF Number or Passport Number and the associated value.

For DOC types SOLAS verification method 1 (C002,1001 = "SM1") or SOLAS verification method 2 (C002,1001 = "SM2"), Scale certificate (C002,1000 = "SCAL"), Weighing ticket (C002,1000 = "WGTT"), and VGM Method authorization number (C002,1000 = "SM1A" or "SM2A") may be provided.

If Document name (C002,1000) is provided then Document identifier (C503,1004) must be provided and vice versa.

If more than one certificate needs to be provided, the DOC group must be repeated with the same qualifier e.g., SM1 or SM2.

"SM1" and "SM2" are mutually exclusive per EQD.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
<b>C002</b>		<b>DOCUMENT/MESSAGE NAME</b>	<b>M 1</b>
		Identification of a type of document/message by code or name. Code preferred.	
	<b>1001</b>	<b>Document name code</b>	<b>M an..3</b>
		Code specifying the document name.	
		Accepted Values:	
		SHP Party responsible for verification of container gross mass	
		SM1 SOLAS verification method 1	
		SM2 SOLAS verification method 2	
	<b>1131</b>	<b>Code list identification code</b>	<b>M an..17</b>
		Code identifying a user or association maintained code list.	
		Accepted Value:	
		VGM Verified gross mass information	
	<b>3055</b>	<b>Code list responsible agency code</b>	<b>M an..3</b>
		Code specifying the agency responsible for a code list.	
		Accepted Value:	
		306 SMDG (Ship-planning Message Design Group) User Group for Shipping Lines and Container Terminals.	
	<b>1000</b>	<b>Document name</b>	<b>C an..35</b>
		Name of a document.	

VGM method 1 authorization number "SM1A" must only be provided when Document name code (C002;1001) is "SM1".

VGM method 2 authorization number "SM2A" must only be provided when Document name code (C002;1001) is "SM2".

Scale certificate "SCAL" or Weight ticket "WGTT" must only be provided when Document name code (C002;1001) is "SM1" or "SM2".

Identity type must only be provided when Document name code (C002;1001) is "SHP".

Document identifier (C503,1004) must be provided when this element is populated.

Supplied Values:

SCAL	Scale certificate
SM1A	VGM verification method 1 authorization number
SM2A	VGM verification method 1 authorization number
WGTT	Weight ticket

<b>C503</b>		<b>DOCUMENT/MESSAGE DETAILS</b>	<b>C</b>	<b>1</b>
		Identification of document/message by number, status, source and/or language.		
	<b>1004</b>	<b>Document identifier</b>	<b>C</b>	<b>an..70</b>
		To identify a document.		
		Certificate number, authorization number or Identity documentation number		
		Document name (C002,1000) must be provided when this element is populated.		
<b>Not Used</b>	<b>1373</b>	<b>Document status code</b>	<b>C</b>	<b>an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>1366</b>	<b>Document source description</b>	<b>C</b>	<b>an..70</b>
<b>Not Used</b>	<b>3453</b>	<b>Language name code</b>	<b>C</b>	<b>an..3</b>
<b>Not Used</b>	<b>1056</b>	<b>Version identifier</b>	<b>C</b>	<b>an..9</b>
<b>Not Used</b>	<b>1060</b>	<b>Revision identifier</b>	<b>C</b>	<b>an..6</b>
<b>Not Used</b>	<b>3153</b>	<b>COMMUNICATION MEDIUM TYPE CODE</b>	<b>C</b>	<b>1 an..3</b>
		Refer to D.16A Data Element Dictionary for acceptable code values.		
<b>Not Used</b>	<b>1220</b>	<b>DOCUMENT COPIES REQUIRED QUANTITY</b>	<b>C</b>	<b>1 n..2</b>
<b>Not Used</b>	<b>1218</b>	<b>DOCUMENT ORIGINALS REQUIRED QUANTITY</b>	<b>C</b>	<b>1 n..2</b>

**Segment:** **DTM** Date/Time/Period  
**Position:** 00250  
**Group:** Segment Group 7 (Document/Message Details) Mandatory  
**Level:** 3  
**Usage:** Conditional (Optional)  
**Max Use:** 2  
**Purpose:** A segment to specify a date and/or time related to the documentation.

**Semantic Notes:**

**Comments:**

**Notes:**

DTM+225:201704250800:203

DTM+182:201701010001:203

DTM+36:201812310000:203

Verification Date (C507,2005 = "225") must be provided when the Verification Signature is present (Group 9 00290-CTA-3189 = "RP") and must be provided within DOC loop (Group 7) for Party responsible for verification (00240-DOC,3035 = "SHP").

When Verification Date (C507,2005 = "225") is present it will be used to determine the latest VGM. If not present VGM determination date (Group 5 00190-DTM,C507,2005 = "798") will be used.

INTTRA expects Document Issue DateTime "182" and Document Expiration DateTime "36" will typically only be reported for Certificates (Group 7, 00240-DOC,C502,1004 is populated and 00240-DOC,C002,1000 = "SCAL" or "WGTT"), However, it may be reported for any document type.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C507		<b>DATE/TIME/PERIOD</b>	<b>M 1</b>
		Date and/or time, or period relevant to the specified date/time/period type.	
	<b>2005</b>	<b>Date or time or period function code qualifier</b>	<b>M an..3</b>
		Code qualifying the function of a date, time or period.	
		Accepted Values:	
	36	Expiry date Date of expiry of the validity of a referenced document, price information or any other referenced data element with a limited validity period.	
	182	Issue date Date when a document/message has been or will be issued.	
	225	Certification of weight date/time Date/time at which the carrier proceeds to the weighting of the goods. Date VGM was authorized Verification Date	
	<b>2380</b>	<b>Date or time or period text</b>	<b>M an..35</b>
		The value of a date, a date and time, a time or of a period in a specified representation.	
	<b>2379</b>	<b>Date or time or period format code</b>	<b>M an..3</b>
		Code specifying the representation of a date, time or period.	
		Accepted Value:	
	203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century;	

Y=Year; M=Month; D=Day; H=Hour; M=Minutes.

The twenty-four hour clock system must be used to express time. Time must be expressed and transmitted by means of four figures, the first two denoting the hour past midnight and the last two the minutes past the hour.

Examples :

12:45 a.m. is expressed as 0045

12:00 noon is expressed as 1200

11:45 p.m. is expressed as 2345

12:00 midnight is expressed as 0000

1:30 a.m. is expressed as 0130

1:45 p.m. is expressed as 1345

4:30 p.m. is expressed as 1630



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

**Segment Summary**

<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max. Use</b>	<b>Group: Repeat</b>
00270	NAD	Name and Address	M	1	
00280		Segment Group 9: Contact Information	O		3

**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 individual.

**Semantic Notes:**

**Comments:**

**Notes:**

NAD+SPC+800372::192++RESPONSIBLE PARTY NAME+100 MAPLE AVENUE+ATLANTIC CITY+NJ+07281+US

NAD+AM+++AUTHORIZED NAME

NAD+CA+300100::192++CARRIER NAME'

Party identification details (C082) or Party name (C080) must be provided.

At least one of Shipper, Forwarder or Carrier must be provided and must be an INTTRA registered party.

Carrier email address must be provided as a Notification Contact (00290-CTA 3139 = "NT") if you intend the carrier to receive the VGM transaction unless you know that the carrier has already made delivery arrangements with INTTRA. Email address will be used to send the VGM transaction to the carrier unless the carrier has made prior arrangements with INTTRA.

When providing Weighing party (3035 = "WPA") it must be within the DOC loop (Group 7) for SOLAS verification method 1 (00240-DOC 3035 = "SM1") or SOLAS verification method 2 (00240-DOC 3035 = "SM2").

All other parties must be sent within the DOC loop (Group 7) of Party responsible for verification (00240-DOC 3035 = "SHP").

Responsible party (3035 = "SPC") or Authorized official (3035 = "AM") must be provided when sending Responsible person's signature (Group 9 00290-CTA 3189 = "RP").

When providing Responsible person's signature (Group 9 00290-CTA 3189 = "RP"), Responsible party (3035 = "SPC") must be sent.

When providing Authorized official (3035 = "AM"), Responsible person's signature (Group 9 00290-CTA 3189 = "RP") must be sent within the same NAD loop (Group 8).

Information for party type MR (Message recipient) is not included in the business transaction sent to the recipient. It is only used to trigger notifications.

Only one of each party type may be provided per EQD.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
3035		<b>PARTY FUNCTION CODE QUALIFIER</b>	<b>M 1 an..3</b>

Code giving specific meaning to a party.

**Accepted Values:**

AM	Authorized official
	Employee of a company or firm authorized to act on behalf of that company or firm e.g. to make a Customs

			declaration.		
			Party to whom authority to Verify the VGM (sign) has been delegated by the Responsible Party.		
		CA	Carrier		
			[3126] Party undertaking or arranging transport of goods between named points.		
		CZ	Consignor		
			[3336] Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him. Synonym: shipper, sender.		
		FW	Freight forwarder		
			[3170] Party arranging forwarding of goods.		
		MR	Message recipient		
			A party to receive a message or messages.		
		SPC	SOLAS verified gross mass responsible party		
			Party responsible for declaration of the verified gross mass (weight) of a packed transport equipment according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6.		
		TR	Terminal operator		
			A party which handles the loading and unloading of marine vessels.		
			Terminal or rail or CFS		
		WPA	Weighting party		
			Party designated (legally accepted) to ascertain the weight.		
	<b>C082</b>	<b>PARTY IDENTIFICATION DETAILS</b>		<b>C</b>	<b>1</b>
			Identification of a transaction party by code.		
		<b>3039 Party identifier</b>		<b>M</b>	<b>an..35</b>
			Code specifying the identity of a party.		
<b>Not Used</b>		<b>1131 Code list identification code</b>		<b>C</b>	<b>an..17</b>
		<b>3055 Code list responsible agency code</b>		<b>M</b>	<b>an..3</b>
			Code specifying the agency responsible for a code list.		
			Accepted Values:		
		86	Assigned by party originating the message		
			Codes assigned by the party originating the message.		
			Assigned by Submitter.		
			If qualifier '86' is used, the code sent in element C082,3039 must be established in INTTRA's alias table.		
		192	Shipper's association		
			Code assigned by a shipper's association.		
			INTTRA assigned code		
<b>Not Used</b>	<b>C058</b>	<b>NAME AND ADDRESS</b>		<b>C</b>	<b>1</b>
			Unstructured name and address: one to five lines.		
<b>Not Used</b>		<b>3124 Name and address description</b>		<b>M</b>	<b>an..35</b>
			Free form description of a name and address line.		
<b>Not Used</b>		<b>3124 Name and address description</b>		<b>C</b>	<b>an..35</b>
			Free form description of a name and address line.		
<b>Not Used</b>		<b>3124 Name and address description</b>		<b>C</b>	<b>an..35</b>
			Free form description of a name and address line.		
<b>Not Used</b>		<b>3124 Name and address description</b>		<b>C</b>	<b>an..35</b>
			Free form description of a name and address line.		
<b>Not Used</b>		<b>3124 Name and address description</b>		<b>C</b>	<b>an..35</b>
			Free form description of a name and address line.		

	<b>C080</b>	<b>PARTY NAME</b>	<b>C</b>	<b>1</b>	
		Identification of a transaction party by name, one to five lines. Party name may be formatted.			
	<b>3036</b>	<b>Party name</b>	<b>M</b>	<b>an..70</b>	
		Name of a party.			
	<b>3036</b>	<b>Party name</b>	<b>O</b>	<b>an..70</b>	
		Name of a party.			
<b>Not Used</b>	<b>3036</b>	<b>Party name</b>	<b>C</b>	<b>an..70</b>	
<b>Not Used</b>	<b>3036</b>	<b>Party name</b>	<b>C</b>	<b>an..70</b>	
<b>Not Used</b>	<b>3036</b>	<b>Party name</b>	<b>C</b>	<b>an..70</b>	
<b>Not Used</b>	<b>3045</b>	<b>Party name format code</b>	<b>C</b>	<b>an..3</b>	
		Refer to D.16A Data Element Dictionary for acceptable code values.			
	<b>C059</b>	<b>STREET</b>	<b>O</b>	<b>1</b>	
		Street address and/or PO Box number in a structured address: one to four lines.			
	<b>3042</b>	<b>Street and number or post office box identifier</b>	<b>M</b>	<b>an..35</b>	
		To identify a street and number and/or Post Office box number.			
	<b>3042</b>	<b>Street and number or post office box identifier</b>	<b>O</b>	<b>an..35</b>	
		To identify a street and number and/or Post Office box number.			
	<b>3042</b>	<b>Street and number or post office box identifier</b>	<b>O</b>	<b>an..35</b>	
		To identify a street and number and/or Post Office box number.			
	<b>3042</b>	<b>Street and number or post office box identifier</b>	<b>O</b>	<b>an..35</b>	
		To identify a street and number and/or Post Office box number.			
	<b>3164</b>	<b>CITY NAME</b>	<b>O</b>	<b>1 an..35</b>	
		Name of a city.			
	<b>C819</b>	<b>COUNTRY SUBDIVISION DETAILS</b>	<b>O</b>	<b>1</b>	
		To specify a country subdivision, such as state, canton, county, prefecture.			
	<b>3229</b>	<b>Country subdivision identifier</b>	<b>C</b>	<b>an..9</b>	
		To identify a country subdivision, such as state, canton, county, prefecture.			
<b>Not Used</b>	<b>1131</b>	<b>Code list identification code</b>	<b>C</b>	<b>an..17</b>	
<b>Not Used</b>	<b>3055</b>	<b>Code list responsible agency code</b>	<b>C</b>	<b>an..3</b>	
		Refer to D.16A Data Element Dictionary for acceptable code values.			
<b>Not Used</b>	<b>3228</b>	<b>Country subdivision name</b>	<b>C</b>	<b>an..70</b>	
	<b>3251</b>	<b>POSTAL IDENTIFICATION CODE</b>	<b>O</b>	<b>1 an..17</b>	
		Code specifying the postal zone or address.			
	<b>3207</b>	<b>COUNTRY IDENTIFIER</b>	<b>O</b>	<b>1 an..3</b>	
		Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.			
		Valid 2 character ISO country code.			

**Group:** **CTA** Segment Group 9: Contact Information  
**Position:** 00280  
**Group:** Segment Group 8 (Name and Address) Conditional (Optional)  
**Level:** 4  
**Usage:** Optional (Optional)  
**Max Use:** 3  
**Purpose:** A group of segments to specify a contact and related communication information.

**Segment Summary**

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

**Segment:** **CTA Contact Information**  
**Position:** 00290 (Trigger Segment)  
**Group:** Segment Group 9 (Contact Information)      Optional (Optional)  
**Level:** 4  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** A segment to specify the function and details of a contact person or department.  
**Semantic Notes:**  
**Comments:**  
**Notes:** CTA+RP+:JOHN ADAMS

Spaces and/or dots alone must not be sent for Contact Name (C056, 3412).

For Notification contact (3139 = "NT") the only valid Communication address identifier (00300-COM C076,3148) is an email address.

Only "Success" (not Error) notifications will be sent to Notification contact ("NT") email addresses.

Carrier email address must be provided as a Notification Contact (00290-CTA 3139 = "NT") if you intend the carrier to receive the VGM transaction unless you know that the carrier has already made delivery arrangements with INTTRA. Email address will be used to send the VGM transaction to the carrier unless the carrier has made prior arrangements with INTTRA.

When providing Responsible person's signature (3139 = "RP") it must be within the NAD loop (Group 8) for SOLAS responsible party (00270-NAD 3035 = "SPC") or Authorized official (00270-NAD 3035 = "AM") and Contact name (C056,3412) must be in all capital letters.

Responsible person's signature (3139 = "RP") must only appear in one NAD loop (Group 8) per EQD.

Only one of each contact function code type (3139) may be sent per NAD loop (Group 8).

Information for contact type NT (Notification contact) is not included in the business transaction sent to the recipient. It is only used to trigger notifications.

Party and Contact type usage.

For Party types (00270 NAD 3035) "CZ", "CA", "TR", "MR" and "FW" Contact types (3139), "IC" and "NT" may be sent.

For Party types (00270 NAD 3035) "SPC" and "AM" Contact types (3139), "IC", "NT" and "RP" may be sent.

For Party type (00270 NAD 3035) "WPA" Contact types (3139), "IC", "NT" and "BG" may be sent.

#### Data Element Summary

Data Element	Component Element	Name	Attributes
3139		CONTACT FUNCTION CODE	M 1 an..3

Code specifying the function of a contact (e.g. department or person).

Accepted Values:

BG	Auditing contact
	Department or person to contact with regard to auditing.

Name of Person responsible for weighing the container.

May only be used within the NAD loop (Group 8) for Weighing party (270-NAD,3035 = "WPA").

IC

Information contact

Department/person to contact for questions regarding transactions.

NT

Notification contact

Department/employee to be notified.

RP

Authorized responsible person

Responsible person who is authorized to sign official documents.

Responsible person's signature

Must be all capital letters

May only be used within the NAD loop (Group 8) for SOLAS Responsible Person (270-NAD,3035 = "SPC") or Authorized official (270-NAD,3035 = "AM").

**C056**

**CONTACT DETAILS**

**M 1**

Code and/or name of a contact such as a department or employee. Code preferred.

**Not Used**

**3413**

**Contact identifier**

**C**

**an..17**

**3412**

**Contact name**

**M**

**an..256**

Name of a contact, such as a department or employee.

When contact function code (3139) is "RP" Responsible person's signature this must be all capital letters

**Segment:** **COM** **Communication Contact**  
**Position:** 00300  
**Group:** Segment Group 9 (Contact Information)      Optional (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 a communication should be directed.

**Semantic Notes:**

**Comments:**

**Notes:**

COM+309 229 8828:TE

At least one COM must be provided when contact function code (00290-CTA 3139) is "IC" or "NT".

An email address is the only valid Communication address identifier (C076,3148) for Contact function code (00290-CTA,3139) NT.

**Data Element Summary**

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C076		<b>COMMUNICATION CONTACT</b>	<b>M 1</b>
		Communication number of a department or employee in a specified channel.	
	<b>3148</b>	<b>Communication address identifier</b> To identify a communication address.	<b>M an..512</b>
	<b>3155</b>	<b>Communication means type code</b> Code specifying the type of communication address.	<b>M an..3</b>
<b>Accepted Values:</b>			
	EM	Electronic mail Exchange of mail by electronic means. Must be used when Contact function code (00290-CTA,3139) = "NT". Email address is subject to validation as outlined in the preamble of this document.	
	FX	Telefax Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.	
	TE	Telephone Voice/data transmission by telephone.	



**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 the UNH & UNT) and the control reference number of the message.

**Semantic Notes:**

**Comments:**

**Notes:** UNT+23+80

**Data Element Summary**

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

**Segment:** UNZ Interchange Trailer  
**Position:** 00320  
**Group:**  
**Level:** 0  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To end and check the completeness of an interchange  
**Semantic Notes:**  
**Comments:**  
**Notes:** UNZ+1+100

**Data Element Summary**

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

## XI. Appendix 1 - VERMAS Use Cases

### A. Use Case 1: Direct VGM – Single Container (carrier delivery arrangements known)

In this use case, the Responsible Party signs and submits VGM to the Carrier. Authorized Party will not be provided. A typical scenario is one in which the Beneficial Cargo Owner (BCO) is the Shipper and the BCO is providing VGM details directly to the Carrier. Variations include Forwarder or NVO acting as Shipper for their bookings with Vessel Operator Carriers. The Shipper is expected to be the Submitter. Typically, one of Shipper or Forwarder and Carrier will be provided at the equipment level along with the Responsible Party. Signature will be provided under the Responsible Party. The transaction may also include the VGM Determination details.

Example:

```
UNB+UNOC:3+SHIPPER_ID:ZZZ+INTTRA:ZZZ+170302:1347+0234401'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH377285+9'  
DTM+137:201703021345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN220398'  
SEL+SH093888+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201603011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
UNT+17+001'  
UNZ+1+0234401'
```

### B. Use Case 1a: Direct VGM – Single Container (carrier delivery arrangements unknown)

Example:

```
UNB+UNOC:3+SHIPPER_ID:ZZZ+INTTRA:ZZZ+170302:1347+0234401'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH377285+9'  
DTM+137:201703021345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN220398'  
SEL+SH093888+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'
```

**CTA+NT+:Notify Contact'**  
**COM+carrier@email.com:EM'**  
UNT+19+001'  
UNZ+1+0234401'

### **C. Use Case 1c: Direct VGM (shipper requested email notification)**

Example:

UNB+UNOC:3+SHIPPER\_ID:ZZZ+INTTRA:ZZZ+170302:1347+0234401'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH377285+9'  
DTM+137:201703021345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN220398'  
SEL+SH093888+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
**CTA+NT+:Notify Contact'**  
**COM+shipper.rqst@email.com:EM'**  
NAD+CA+SCAC::86++CARRIER NAME'  
UNT+19+001'  
UNZ+1+0234401'

### **D. Use Case 1d: Direct VGM (requested email notification using Message Recipient)**

Example:

UNB+UNOC:3+SHIPPER\_ID:ZZZ+INTTRA:ZZZ+170302:1347+0234401'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH377285+9'  
DTM+137:201703021345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN220398'  
SEL+SH093888+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+MR+++MESSAGE RECIPIENT  
**CTA+NT+:Notify Contact'**  
**COM+cust1.rqst@email.com:EM'**  
**COM+cust2.rqst@email.com:EM'**  
NAD+CA+SCAC::86++CARRIER NAME'  
UNT+21+001'

UNZ+1+0234401'

## E. Use Case 2: Direct VGM Submission – Multiple Containers

This use case is identical to Use Case 1 with the exception that the example illustrates provision of VGM for 2 containers in a single transaction.

Example:

UNB+UNOC:3+SHIPPER\_ID:ZZZ+INTTRA:ZZZ+170302:1347+0234734'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH680285+9'  
DTM+137:201703021345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
**EQD+CN+TCLU5977010:6346:5'**  
RFF+BN:BN647398'  
RFF+AOW:BN647398'  
SEL+SH093888+SH'  
MEA+AAE+VGM+KGM:24663'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JAMES SMITH'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
**EQD+CN+CAIU2594686:6346:5'**  
RFF+BN:BN647398'  
RFF+AOW:BN647398'  
SEL+SH051628+SH'  
MEA+AAE+VGM+KGM:14576'  
DTM+798:201703011500:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JAMES SMITH'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
UNT+29+001'  
UNZ+1+0234734'

## F. Use Case 3: Delegated VGM Submission to Carrier

In this use case, the Authorized Party signs and submits VGM to the Carrier. The Responsible Party has delegated VGM signature authority to an Authorized party. Typical scenario is that a Forwarder is filing VGM for a Shipper. The Shipper is the Responsible Party and the Forwarder is the Authorized party. The Forwarder is expected to be the Submitter. Typically, Forwarder and Carrier will be provided at the equipment level along with Responsible Party and Authorized Party. Signature will be provided under the Authorized Party. This transaction may also include VGM Determination details.

Example:

UNB+UNOC:3+FORWARDER\_ID:ZZZ+INTTRA:ZZZ+170124:1347+8293293'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH377285+9'

DTM+137:201701241345:203'  
 NAD+TB+803928::192++FORWARDER NAME'  
 EQD+CN+TEMU7651967:6346:5'  
 RFF+BN:96580507'  
 RFF+AOW:96580507'  
 SEL+HLB2380090+CA'  
 MEA+AAE+VGM+KGM:6930.8'  
 DTM+798:201701211455:203'  
 DOC+SHP:VGM:306'  
 DTM+225:201701212200:203'  
 NAD+SPC+++SHIPPER NAME'  
**NAD+AM+803928::192++FORWARDER NAME'**  
**CTA+RP+:TIM BROWN'**  
 NAD+FW+803928::192++FORWARDER NAME'  
 NAD+CA+SCAC::86++CARRIER NAME'  
 UNT+18+001'  
 UNZ+1+8293293'

### G. Use Case 4: 3<sup>rd</sup> Party Participant VGM Submission

In this use case, the 3<sup>rd</sup> Party submits VGM to Responsible Party or Authorized Party. Typical scenario is that a Scale is sending weights to a Shipper or Forwarder (3PL). The Recipients will 'sign' the VGM for delivery to the Carrier. A variant has a Terminal weighing the container. The weights are VGM's, but not signed and are being routed to the party that will sign them. In this case, one of the two Method DOC's (SM1 or SM2) will be provided. The Weighing Party (WPA) will be reported under the DOC for the method used. The Weigher is the Submitter. In this use case, Signature (CTA+RP) and Verification Date (DTM+225) will not be provided. It is also likely that the Responsible Party will not be provided as the Weigher can be sending the transaction to a 3PL.

Example:

UNB+UNOC:3+**WEIGHINGPARTY\_ID:ZZZ**+INTTRA:ZZZ+170302:1347+8293293'  
 UNH+001+VERMAS:D:16A:UN:1.0'  
 BGM+VGM+SH377285+9'  
 DTM+137:201703021345:203'  
 NAD+TB+803928::192++WEIGHING PARTY NAME'  
 EQD+CN+TEMU7651967:6346:5'  
 RFF+AOW:96580507'  
 SEL+SLB2380090+CA'  
 MEA+AAE+VGM+KGM:6930.8'  
 DTM+798:201703021455:203'  
 DOC+SM1:VGM:306:WGTT+WT30999'  
 NAD+WPA+++WEIGHING PARTY NAME'  
 DOC+SHP:VGM:306'  
 NAD+FW+800234::192++FORWARDER NAME'  
 UNT+14+001'  
 UNZ+1+8293293'

### H. Use Case 5: Hybrid VGM Submission

In this use case, 3<sup>rd</sup> Party submits VGM to the Carrier and the Responsible Party. Typical scenario is that a Terminal is weighing an incoming container. The Shipper has authorized the Terminal to sign VGMs on the Shipper's behalf. In this case, the Shipper is the Responsible Party, the Terminal is the Submitter, the Authorized party and the Weighing Party. Carrier and Shipper (BCO, NVO, Co-loading Forwarder) will be provided at the equipment level. Signature will be provided under the Authorized party. In this case, one of the two Method DOC's (SM1 or SM2) will be provided. The Weighing Party (WPA) will be reported under the DOC for the method used.

Example:

UNB+UNOC:3+**TERMINAL\_ID**:ZZZ+INTTRA:ZZZ+170225:1347+0234337'  
 UNH+001+VERMAS:D:16A:UN:1.0'  
 BGM+VGM+TZ309095+9'  
 DTM+137:201702251345:203'  
 NAD+TB+801445::192++**TERMINAL NAME**'  
 EQD+CN+MRKU3019284:6346:5'  
 RFF+BN:BN883098'  
 RFF+AOW:TZ309095'  
 LOC+138+USNYC:181:6:NEW YORK'  
 SEL+SH558490+SH'  
 MEA+AAE+VGM+KGM:15701.15'  
 DTM+798:201702290450:203'  
 DOC+SHP:VGM:306'  
 DTM+225:201701242200:203'  
 NAD+SPC+801345::192++**SHIPPER NAME**'  
**NAD+AM+801445::192++**TERMINAL NAME****'  
**CTA+RP+:PETER JONES'**  
 NAD+CZ+801345::192++**SHIPPER NAME**'  
 NAD+CA+SCAC::86+CARRIER NAME'  
 DOC+SM1:VGM:306:WGTT+CTW5599201'  
 NAD+WPA+801445::192++**TERMINAL NAME**'  
 UNT+21+001'  
 UNZ+1+0234337'

#### I. Use Case 6: VGM Submission for Shipper Owned Containers

In this use case, the Responsible Party signs and submits VGM for a shipper owned container to the Carrier. By default, INTTRA assumes that containers are supplied by Carriers. In this case, the Shipper Supplied flag should be set and the ISO type should be provided. Otherwise the transaction is typical.

Example:

UNB+UNOC:3+SHIPPER\_ID:ZZZ+INTTRA:ZZZ+170125:1347+0234690'  
 UNH+001+VERMAS:D:16A:UN:1.0'  
 BGM+VGM+SH377285+9'  
 DTM+137:201701251345:203'  
 NAD+TB+801345::192++**SHIPPER NAME**'  
 EQD+CN+TAKU1260179:6346:5+22T6:6346:5+1'  
 RFF+BN:BN6602398'  
 RFF+AOW:BN6602398'  
 SEL+RT94008+SH'  
 MEA+AAE+VGM+KGM:13401.5'  
 DTM+798:201702241455:203'  
 DOC+SHP:VGM:306'  
 DTM+225:201702242200:203'  
 NAD+SPC+801345::192++**SHIPPER NAME**'  
 CTA+RP+:JOHN ADAMS'  
 NAD+CZ+801345::192++**SHIPPER NAME**'  
 NAD+CA+SCAC::86++**CARRIER NAME**'  
 UNT+17+001'  
 UNZ+1+0234690'

## J. Use Case 7: VGM Determination Method Provision

In this use case, the Responsible Party signs and submits VGM along with its determination method to the Carrier. It is expected that some jurisdictions will require that the method of determination be reported as part of VGM submission. This requirement would apply regardless of who submits the VGM for official consumption (Carrier, Terminal). Method reporting requires that DOC SM1 or SM2 to be provided.

Example:

```
UNB+UNOC:3+SHIPPER_ID:ZZZ+INTTRA:ZZZ+170225:1347+0234337'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH310095+9'  
DTM+137:201702251345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN883098'  
RFF+AOW:SH29898'  
LOC+138+USPIT:181:6:PITTSBURGH'  
SEL+SH192888+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201702240450:203'  
DOC+SHP:VGM:306'  
DTM+225:201701242200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86+CARRIER NAME'  
DOC+SM1:VGM:306'  
UNT+19+001'  
UNZ+1+0234337'
```

## K. Use Case 8: VGM Determination Method and Method Authorization

In this use case, the Responsible Party signs and submits VGM to Carrier along with its determination method and also includes the method Authorization Number. It is expected that some jurisdictions will require Weighers to be authorized to use specific determination methods. Evidence of Authorization (Authorization Number) will be required as part of VGM submission. This requirement applies to the WPA under the appropriate method DOC. For example, it seems that the UK will require Method 2 weighers to be authorized and that the Authorization Number has to be included with the Method 2 VGM submissions.

Example:

```
UNB+UNOC:3+SHIPPER_ID:ZZZ+INTTRA:ZZZ+170225:1347+2347810'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH994885+9'  
DTM+137:201702251345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN495598'  
RFF+AOW:BN495598'  
LOC+138+GBLON:181:6:LONDON'  
SEL+SH772908+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201701241455:203'  
DOC+SHP:VGM:306'  
DTM+225:201701242200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'
```



NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86+CARRIER NAME'  
**DOC+SM2:VGM:306:SM2A+A3029983'**  
UNT+19+001'  
UNZ+1+2347810'

#### L. Use Case 9: Direct VGM Submission to Terminal

In this use case, the Responsible Party signs and submits VGM to the Terminal. Generally it is expected that Carriers will provide VGM details to Terminals, but the SOLAS regulations hold the Shipper responsible for providing VGM to Terminals and appear to allow the Shipper to do so directly. In this use case, Terminal has to be named in the VGM transaction. In order to receive VGM transactions from INTTRA, the Terminal also has to be registered with INTTRA. Otherwise the transaction is typical.

Example:

UNB+UNOC:3+SHIPPER\_ID:ZZZ+INTTRA:ZZZ+170225:1347+2373912'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH347785+9'  
DTM+137:201702251345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN1192898'  
RFF+AOW:BN1192898'  
LOC+138+USEZA:181:6:ELIZABETH'  
SEL+SH553908+SH'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201702241455:203'  
DOC+SHP:VGM:306'  
DTM+225:201702242200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
**NAD+TR+803145::192++TERMINAL NAME'**  
UNT+18+001'  
UNZ+1+2373912'

#### M. Use Case 10: Delegated VGM Submission to Terminal

This use case is an extension of Use Case 3 (Delegated VGM Submission to Carrier) and Use Case 9 (Direct VGM Submission to Terminal) described above. In this case the authority to sign a VGM destined for a Terminal is delegated by the Responsible Party. This use case also illustrates that the person signing the VGM does not have to be associated with any party on the transaction. Otherwise the transaction is typical submission to the Terminal.

Example:

UNB+UNOC:3+SHIPPER\_ID:ZZZ+INTTRA:ZZZ+170225:1347+2334472'  
UNH+001+VERMAS:D:16A:UN:1.0'  
BGM+VGM+SH730095+9'  
DTM+137:201702251345:203'  
NAD+TB+801345::192++SHIPPER NAME'  
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN6922398'  
RFF+AOW:BN6922398'  
LOC+138+USEZA:181:6:ELIZABETH'  
SEL+SH290008+SH'  
MEA+AAE+VGM+KGM:13401.5'

DTM+798:201702241455:203'  
DOC+SHP:VGM:306'  
DTM+225:201702242200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
**NAD+AM+++TOM JONES'**  
**CTA+RP+:TOM JONES'**  
NAD+CZ+801345::192++SHIPPER NAME'  
**NAD+TR+803145::192++TERMINAL NAME'**  
UNT+19+001'  
UNZ+1+2334472'

N. Parties Applicable for Each Use Case

Use Case	Party Type	Party
<b>1) Direct VGM Submission – Single Container</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
<b>2) Direct VGM Submission – Multiple Containers</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
<b>3) Delegated VGM Submission to Carrier</b>		
	(TB) Submitter	Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper
	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
	(AM) Authorized Party	Forwarder
<b>4) 3<sup>rd</sup> Party Participant VGM Submission</b>		
	(TB) Submitter	Weighing Party
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(WPA) Weighing Party	Weighing Party
<b>5) Hybrid VGM Submission</b>		
	(TB) Submitter	Terminal
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
	(AM) Authorized Party	Terminal
	(WPA) Weighing Party	Terminal
<b>6) VGM Submission for Shipper Owned Containers</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
<b>7) VGM Determination Method Provision</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
	(WPA) Weighing Party	Weighing Party
<b>8) VGM Determination Method and Method Authorization</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder

	(CA) Carrier	Carrier
	(SPC) Responsible Party	Shipper
	(WPA) Weighing Party	Weighing Party
<b>9) Direct VGM Submission to Terminal</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(TR) Terminal	Terminal
	(SPC) Responsible Party	Shipper
<b>10) Delegated VGM Submission to Terminal</b>		
	(TB) Submitter	Shipper/Forwarder
	(CZ/FW) Shipper/Forwarder	Shipper/Forwarder
	(TR) Terminal	Terminal
	(SPC) Responsible Party	Shipper
	(AM) Authorized Party	Not designated

## XII. Appendix 2 – EQD looping

The follow examples show expected loops and segments depending on information being conveyed.

VERMAS transaction where the responsible party (Shipper) is signing (authorizing) the container VGM and sending it to a carrier. Signature CTA segment must follow the responsible party NAD segment.

```
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN220398'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'
```

VERMAS transaction where the responsible party (Shipper) has authorized another party (Forwarder) to sign (authorizing) the container VGM and sending it to a carrier. Signature CTA segment must follow the authorizing party NAD segment. Responsible party NAD segment must also be sent.

```
EQD+CN+TEMU7651967:6346:5'  
RFF+BN:96580507'  
RFF+AOW:96580507'  
MEA+AAE+VGM+KGM:6930.8'  
DTM+798:201701211455:203'  
DOC+SHP:VGM:306'  
DTM+225:201701212200:203'  
NAD+SPC+++SHIPPER NAME'  
NAD+AM+803928::192++FORWARDER NAME'  
CTA+RP+:TIM BROWN'  
NAD+FW+803928::192++FORWARDER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'
```

VERMAS transaction with weighing method is being sent (**optional information**). In this case the weighing method is method 1. This information is sent in the DOC segment.

```
EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN309498'  
RFF+AOW:BN220398'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'
```

NAD+CA+SCAC::86++CARRIER NAME'  
DOC+SM1:VGM:306'

VERMAS transaction with weighing method is being sent (**optional information**). In this case the weighing method is method 2. This information is sent in the DOC segment.

EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN9113398'  
RFF+AOW:BN220398'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
DOC+SM2:VGM:306'

VERMAS transaction with method 2 supporting weights (**optional information**). This information is sent in MEA segments.

EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN466398'  
MEA+AAE+VGM+KGM:13401.5'  
MEA+AAE+T+KGM:2400'  
MEA+AAE+ZZZ+KGM:85'  
MEA+AAE+AAD+KGM:10916.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
DOC+SM2:VGM:306'

VERMAS transaction with weighing party identified (**optional information**). This information is sent in NAD segment within the DOC segment (DOC segment identifies the VGM weighing method).

EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN7718998'  
RFF+AOW:BN220398'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
DOC+SM2:VGM:306'  
NAD+WPA+++WEIGHING PARTY NAME'

VERMAS transaction identifying the specific person who weighed the container (**optional information**). This information is sent an CTA segment within the weighing party NAD loop within the DOC segment (DOC segment identifies the VGM weighing method).

EQD+CN+MRKU3019284:6346:5'  
RFF+BN:BN220398'  
RFF+AOW:BN2001898'  
MEA+AAE+VGM+KGM:13401.5'  
DTM+798:201703011455:203'  
DOC+SHP:VGM:306'  
DTM+225:201703022200:203'  
NAD+SPC+801345::192++SHIPPER NAME'  
CTA+RP+:JOHN ADAMS'  
NAD+CZ+801345::192++SHIPPER NAME'  
NAD+CA+SCAC::86++CARRIER NAME'  
**DOC+SM1**:VGM:306'  
**NAD+WPA+++WEIGHING PARTY NAME**'  
**CTA+BG+**:Roger Green'