User Manual

(Implementation Guide)

UN/EDIFACT MESSAGE

CODECO

(Container Gate-in/Gate-out Report)

Version 2.1 - 3

D.00B

Version : 2.1 - 3
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Revision History

Version	Date	Author(s)	Revision Notes
2.0	March 2003	Karl Zlotkowski	Created version
2.1	October 2015	Paul Wauters	Extended for Gross Weight Verification
2.1-1	Sept. 2015	Paul Wauters	Naming
2.1-2	January 2016	Paul Wauters	Updated UNECE official codes/qualifiers
2.1-3	June 2016	Paul Wauters	Aligned VGM additions with existing info

CONTENTS

0. Introduction 4

1. General 4

2. Status Indicators and Usage Indicators.... 5

3. Document Maintenance..... 6

4. Versions 6

5. Segment Table 9

6. Message Structure Diagram 11

7. Message Description 14

8. Sample Messages 66

0. INTRODUCTION

This User Manual has been developed by the SMDG User Group for Shipping Lines and Container Terminals, a "Global User Group" under the auspices of UN/CEFACT.

This User Manual is based upon the UN/EDIFACT D.00B directory and the ITIGG documents "International Reference Guideline for the implementation of transport EDI messages – CODECO Gate Activity Message", version 1.4, dated March 1998 and "Principles and Rules for the implementation of transport EDI messages – Transport Equipment Movements – Maritime-related container messages", version 1.3.1, dated September 1996.

This User Manual provides guidance as to the recommended usage of codes, qualifiers, data elements, composites, segments and groups of segments in the D.00B CODECO message. The intention is to assist developers to ensure consistent use of the CODECO message throughout the worldwide trade and transport community.

1. GENERAL

Formal Definition

"A message by which a terminal, depot, etc. confirms that the containers specified have been delivered or picked up by the inland carrier (road, rail or barge). This message can also be used to report internal terminal container movements (excluding loading and discharging the vessel). This message is part of a total set of container-related messages. These messages serve to facilitate the intermodal handling of containers by streamlining the information exchange The business scenario for the container messages is clarified in a separate document, called "Guide to the scenario of EDIFACT container messages".

The CODECO message is intended for the reporting of gate activity (gate movements) associated with an item of equipment in and out of a container terminal, storage and repair facility, or packing/unpacking facility.

It can also be used to report movements within the facility, including changes to the status of the item of equipment after servicing or repair.

The container leasing industry will also use it for notification of changes to the lease status of a container - ie. as a report of on/off hire or direct interchange.

The message is intended for the provision of operational reports, which may be used for the updating of equipment tracking systems.

2. STATUS INDICATORS AND USAGE INDICATORS

Status Indicators

Status Indicators ("M" and "C") form part of the UN/EDIFACT standard and indicate a minimum requirement to fulfil the needs of the message structure. They are not adequate for implementation purposes. The Status Indicators are :

Value	*Description*
M	Mandatory The entity marked as such must appear in all messages, and apply to these messages as well as to any associated implementation guidelines (and consequently is also a Usage Indicator).
C	Conditional The entity is used by agreement between trading partners.

Usage Indicators

Usage Indicators are implementation–related indicators that further detail the use of "Conditional" Status Indicators. Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities. The Usage Indicators are :

Value	*Description*
M	Mandatory Indicates the item is mandatory in the UN/EDIFACT message.
R	Required Indicates the item must be transmitted in this implementation.
D	Dependent Indicates that the use of the item is depending on a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
O	Optional Indicates that this item is at the need or discretion of both trading partners.
X	Not Used Indicates that this item is not to be used in this implementation.

Where an item within a segment group, segment or composite data element is marked with Usage Indicators "M" or "R", but the segment group, segment or composite data element has been marked "O" or "D" (or for that matter "X"), the item is only to be transmitted when the segment group, segment or composite of which it is a part, is used.

3. DOCUMENT MAINTENANCE

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

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

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4. VERSIONS

SMDG21.

Version 2.1, first released October 2015, includes amendments for transmission of data specifying a container's verified gross mass (VGM) according to SOLAS regulation 2, chapter VI, paragraphs 4 to 6.

With a short deadline (July 2016) it was decided to do minimum changes - what was considered as an absolute (legal) minimum - to limit the impact on EDI and backend systems of different organizations. It was decided to make additions in the current version without structure changes via existing segments and data elements. Only necessary new qualifier and/or codes will be requested via DMR.

To handle the new SOLAS requirements on Gross Mass Verification, DMR (Data Maintenance Request) for new codes, to handle the new entities, will be submitted to UN/CEFACT.
The acceptance of these DMR's are available as from version D.15B The Message Implementation Guides can use 'Temporary' codes indicated between square brackets [**xxx**] and codes only available in a later version.
Changes for SOLAS in this manual: (codes used as available from UN/EDIFACT version D.15B or current directory.)

EQD group segments additions:

MEA – Measurements
- **VGM** – Verified Gross Mass (weight)

NAD – Name and Address
- **AM** – Authorized official – person signing for Verified Gross Mass
- **SPC** – SOLAS Packed Container Verified Gross Mass Responsible party

DTM – Date/Time
- **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

FTX – Free text (ABS) container condition – SMDG maintained codes
- **SM1** – SOLAS Method 1 – Verified Gross Mass obtained by weighing
- **SM2** – SOLAS Method 2 – Verified Gross Mass obtained by calculation

RFF – References
- **VGR** – Verified Gross Mass Reference – link to VGM information
- **VOR** – Verified Gross Mass Order Reference – response to instruction for VGM ascertainment

Additional In case of reporting of Terminal/Depot or Weighing Facility weighing:

Header

NAD – Name and Address

WPA – Weighing party - Party designated (legally accepted) to ascertain the weight

CTA – Contact

BN – Certification Contact - Department/Person responsible for obtaining a Transport equipment verified gross mass (weight) (in case of BN)

CODECO - Container Gate-in/Gate-out Report Message

Introduction:

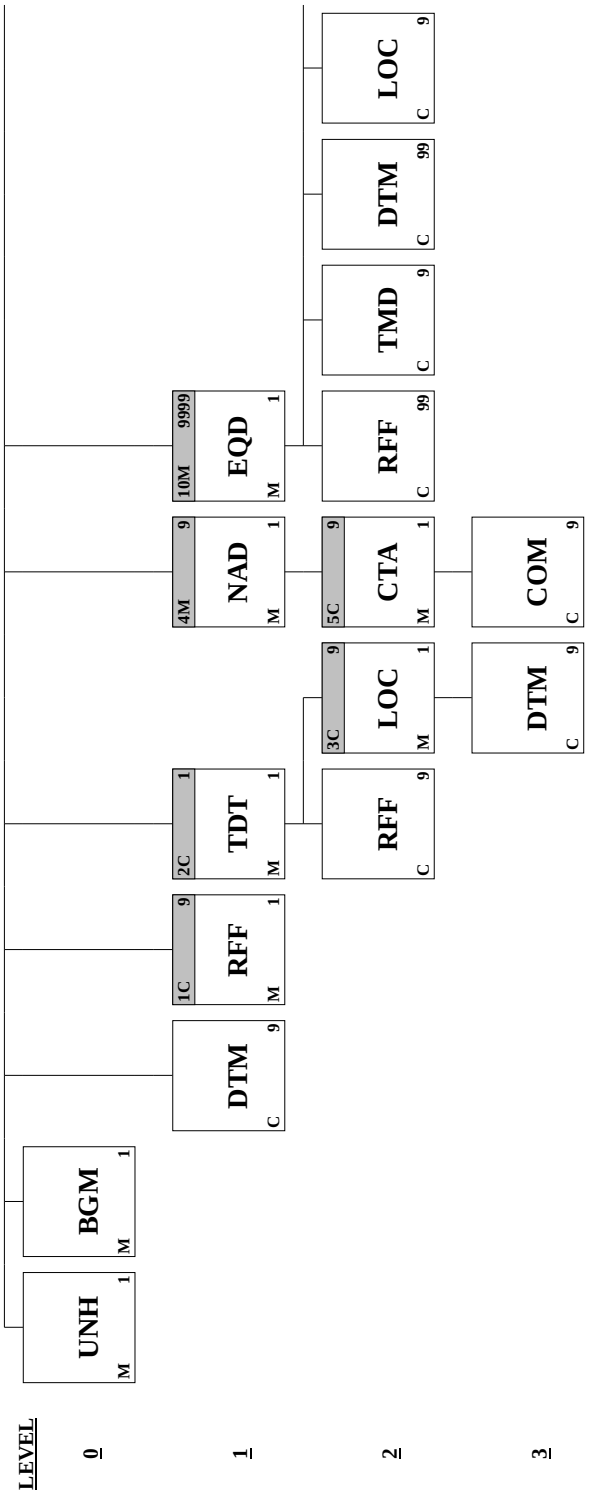
SMDG Guideline for the D.00B CODECO Message.

Version 2.1, October 2015

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
R	0030	DTM	Date/Time/Period	C	9		
O	0050		Segment Group 1: RFF	C		9	
M	0060	RFF	Reference	M	1		
O	0080		Segment Group 2: TDT-RFF-SG3	C		1	
M	0090	TDT	Details of Transport	M	1		
O	0110	RFF	Reference	C	9		
O	0120		Segment Group 3: LOC-DTM	C		9	
M	0130	LOC	Place/Location Identification	M	1		
O	0140	DTM	Date/Time/Period	C	9		
M	0150		Segment Group 4: NAD-SG5	M		9	
M	0160	NAD	Name and Address	M	1		
O	0170		Segment Group 5: CTA-COM	C		9	
M	0180	CTA	Contact Information	M	1		
O	0190	COM	Communication Contact	C	9		
M	0370		Segment Group 10: EQD-RFF-TMD-DTM-LOC-MEA-DIM-SEL-FTX-EQA-HAN-SG11-SG12-NAD-SG14-SG16	M		9999	
M	0380	EQD	Equipment Details	M	1		
R	0390	RFF	Reference	C	99		
O	0400	TMD	Transport Movement Details	C	9		
O	0410	DTM	Date/Time/Period	C	99		
R	0420	LOC	Place/Location Identification	C	9		
O	0430	MEA	Measurements	C	99		
O	0440	DIM	Dimensions	C	99		
O	0450	SEL	Seal Number	C	9		
O	0460	FTX	Free Text	C	99		
O	0480	EQA	Attached Equipment	C	9		
O	0500	HAN	Handling Instructions	C	9		

O	0510		Segment Group 11: DAM-COD	C		9
M	0520	DAM	Damage	M	1	
O	0530	COD	Component Details	C	1	
O	0540		Segment Group 12: TDT-DTM-SG13	C		9
M	0550	TDT	Details of Transport	M	1	
O	0560	DTM	Date/Time/Period	C	9	
O	0570		Segment Group 13: LOC	C		9
M	0580	LOC	Place/Location Identification	M	1	
O	0600	NAD	Name and Address	C	9	
O	0610		Segment Group 14: DGS-FTX	C		99
M	0620	DGS	Dangerous Goods	M	1	
O	0630	FTX	Free Text	C	9	
O	0680		Segment Group 16: TMP-RNG	C		9
M	0690	TMP	Temperature	M	1	
O	0700	RNG	Range Details	C	1	
O	0710	CNT	Control Total	C	1	
M	0720	UNT	Message Trailer	M	1	

Segments not used are not included in this list.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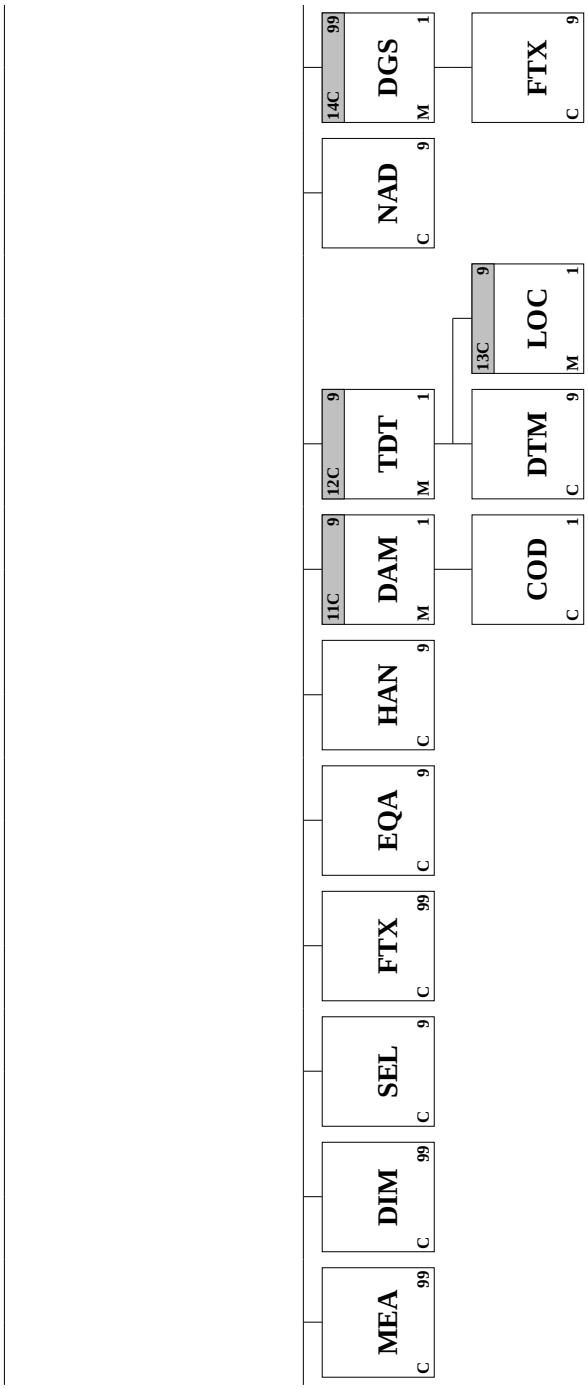
BGM 1 M
DTM 9 C
RFF 1 M 1C 9
TDT 1 M 2C 1
RFF 9 C
LOC 1 M 3C 9
DTM 9 C
NAD 1 M 4M 9
CTA 1 M 5C 9
COM 9 C
EQD 1 M 10M 9999
RFF 99 C
TMD 9 C
DTM 99 C
LOC 9 C
LEVEL
0
1
2
3
4
5
6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C
99
DIM
C
99
SEL
C
9
FTX
C
99
EQA
C
9
HAN
C
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DAM
M
1
11C
9
COD
C
1
TDT
M
1
12C
9
DTM
C
9
LOC
M
1
13C
9
NAD
C
9
DGS
M
1
14C
99
FTX
C
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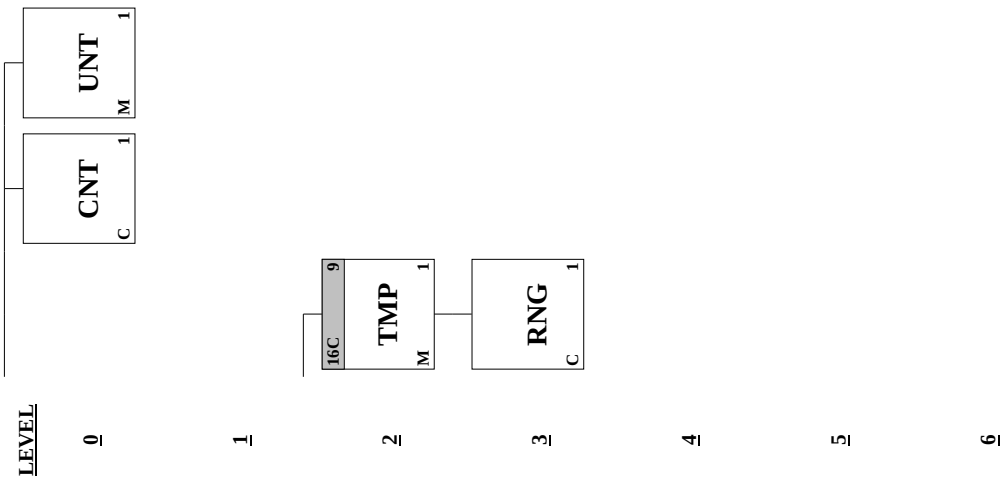
LEVEL
0
1
2
3
4
5
6


UNT
1
M
CNT
1
C
9
16C
TMP
1
M
RNG
1
C
LEVEL
0
1
2
3
4
5
6

Segment: **UNH** **Message Header**
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Container gate-in/gate-out report message is CODECO.
Note: Container gate-in/gate-out report messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element 0065 CODECO 0052 D 0054 00B 0051 UN
Comments:
Notes: ***Sample segment :***
UNH+241443010001+CODECO:D:00B:UN:SMDG21'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	**0062**		**MESSAGE REFERENCE NUMBER**	**M**	**1**	**an..14**
			Unique message reference assigned by the sender. This reference must also be transmitted in the UNT segment.			
M	**S009**		**MESSAGE IDENTIFIER**	**M**	**1**	
M		**0065**	**Message type identifier**	**M**		**an..6**
			CODECO *Container Gate-in/Gate-out Report Message*			
M		**0052**	**Message type version number**	**M**		**an..3**
			D *Draft version/UN/EDIFACT Directory*			
M		**0054**	**Message type release number**	**M**		**an..3**
			00B *Release 2000 - B*			
M		**0051**	**Controlling agency**	**M**		**an..2**
			UN *UN/CEFACT*			
R		**0057**	**Association assigned code**	**C**		**an..6**
			SMDG21 *SMDG Version 2.1*			
O	**0068**		**COMMON ACCESS REFERENCE**	**C**	**1**	**an..35**
			Additional message reference (if required)			
X	**S010**		**STATUS OF THE TRANSFER**	**C**	**1**	
X		**0070**	**Sequence message transfer number**	**M**		**n..2**
X		**0073**	**First/last sequence message transfer indication**	**C**		**a1**

Segment: **BGM** **Beginning of Message**
Position: 0020
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the beginning of a message and to transmit identifying number and the further specification of the message type (in data element 1001: Document name code), such as Gate-in report, Gate-out report.
Comments:
Notes: ***Sample segment :***
BGM+109+800255846+9+AB'

Data Element Summary

	Data Element	Component Element	Name			
				Attributes		
R	**C002**		**DOCUMENT/MESSAGE NAME**	**C**	**1**	
R		**1001**	**Document name code**	**C**		**an..3**
			57 *Transport equipment on-hire report*			
			58 *Transport equipment off-hire report*			
			103 *Transport equipment direct interchange report*			
			109 ***Transport movement gate in report***			
			111 ***Transport movement gate out report***			
			117 *Transport equipment shift report*			
			119 *Transport discharge report*			
			122 *Transport loading report*			
			265 *Transport equipment movement report*			
			266 *Transport equipment status change report*			
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
X		**1000**	**Document name**	**C**		**an..35**
R	**C106**		**DOCUMENT/MESSAGE IDENTIFICATION**	**C**	**1**	
R		**1004**	**Document identifier**	**C**		**an..35**
			Sender's unique reference number			
X		**1056**	**Version identifier**	**C**		**an..9**
X		**1060**	**Revision identifier**	**C**		**an..6**
R	**1225**		**MESSAGE FUNCTION CODE**	**C**	**1**	**an..3**
			If code 1 or 5 is used, reference number of the message which is being cancelled/replaced must appear in the header level RFF using the code ACW in e1153.			
			1 *Cancellation*			
			5 *Replace*			
			9 *Original*			

O	**4343**	**RESPONSE TYPE CODE**	**C**	**1**	**an..3**
		AB *Message acknowledgement*			

Segment: **DTM** **Date/Time/Period**
Position: 0030
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 9
Purpose: A segment to indicate a date and/or time applying to the whole message, such as date and time of document or message issue.
Comments:
Notes: ***Sample segment :***
DTM+137:201511211523:203'

Data Element Summary

	Data Element	Component Element	Name	Attributes	
M	**C507**		**DATE/TIME/PERIOD**	**M**	**1**
M		**2005**	**Date or time or period function code qualifier**	**M**	**an..3**
		137	*Document/message date/time*		
R		**2380**	**Date or time or period value**	**C**	**an..35**
			Date/time that the message was prepared.		
R		**2379**	**Date or time or period format code**	**C**	**an..3**
		203	*CCYYMMDDHHMM*		

Segment: **RFF** **Reference**
Position: 0060 (Trigger Segment)
Group: Segment Group 1 (Reference) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to express a reference which applies to the entire message, such as: - reference to previous message - container announcement reference number - release order reference - acceptance order reference
Comments:
Notes: ***Sample segment :***
RFF+ATX:800255846'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C506**		**REFERENCE**	**M**	**1**	
M		**1153**	**Reference code qualifier**	**M**		**an..3**
			AAY	*Carrier's agent reference number*		
			ACA	*Cargo acceptance order reference number*		
			ACW	*Reference number to previous message*		
			AKA	*Container disposition order reference number*		
			ARJ	*Personal identity card number*		
			ATX	*Transport equipment acceptance order reference*		
			ATY	*Transport equipment release order reference*		
			BM	*Bill of lading number*		
			BN	*Booking reference number*		
			CN	*Carrier's reference number*		
			RE	*Release number*		
R		**1154**	**Reference identifier**	**C**		**an..70**
			Reference number			
X		**1156**	**Document line identifier**	**C**		**an..6**
X		**4000**	**Reference version identifier**	**C**		**an..35**
X		**1060**	**Revision identifier**	**C**		**an..6**

Segment: **TDT** **Details of Transport**
Position: 0090 (Trigger Segment)
Group: Segment Group 2 (Details of Transport) Conditional (Optional)
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate transport details related to the main carriage stage of the transport (sea), such as carrier/liner service.
Comments:
Notes: ***Sample segment :***
TDT+20+048R+1++MSC:172:20+++7104673:146:11:MSC CLAUDIA:PA'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**8051**		**TRANSPORT STAGE CODE QUALIFIER**		**M**	**1**	**an..3**
			20	*Main-carriage transport*			
O	**8028**		**MEANS OF TRANSPORT JOURNEY IDENTIFIER**		**C**	**1**	**an..17**
			Vessel operator's voyage number				
			Either this element or the Group 2 RFF must be used to specify a voyage number.				
R	**C220**		**MODE OF TRANSPORT**		**C**	**1**	
R		**8067**	**Transport mode name code**		**C**		**an..3**
			1	*Maritime transport (ocean)*			
X		**8066**	**Transport mode name**		**C**		**an..17**
O	**C228**		**TRANSPORT MEANS**		**C**	**1**	
O		**8179**	**Transport means description code**		**C**		**an..8**
			Means of transport code (UN/ECE Recommendation 28)				
O		**8178**	**Transport means description**		**C**		**an..17**
			Type of means of transport (free text)				
R	**C040**		**CARRIER**		**C**	**1**	
R		**3127**	**Carrier identifier**		**C**		**an..17**
			Vessel operator's code				
O		**1131**	**Code list identification code**		**C**		**an..17**
			172	*Carriers*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			20	*BIC (Bureau International des Containeurs)*			
			87	*Assigned by carrier*			
			166	*US, National Motor Freight Classification Association*			
			184	*AU, ACOS (Australian Chamber of Shipping)*			
			SMD	*SMDG (Shipplanning Message Development Group)* ***Temporary code***			

			ZZZ	*Mutually defined*			
O		**3128**	**Carrier name**		**C**		**an..35**
			Vessel operator's name (free text)				
X	**8101**		**TRANSIT DIRECTION INDICATOR CODE**		**C**	**1**	**an..3**
X	**C401**		**EXCESS TRANSPORTATION INFORMATION**		**C**	**1**	
X		**8457**	**Excess transportation reason code**		**M**		**an..3**
X		**8459**	**Excess transportation responsibility code**		**M**		**an..3**
X		**7130**	**Customer shipment authorisation identifier**		**C**		**an..17**
O	**C222**		**TRANSPORT IDENTIFICATION**		**C**	**1**	
O		**8213**	**Transport means identification name identifier**		**C**		**an..9**
			Lloyd's (IMO) number				
			Either this element or the Group 2 RFF must be used to specify a vessel id.				
O		**1131**	**Code list identification code**		**C**		**an..17**
			146	*Means of transport identification*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			11	*Lloyd's register of shipping*			
O		**8212**	**Transport means identification name**		**C**		**an..35**
			Vessel name (free text)				
O		**8453**	**Transport means nationality code**		**C**		**an..3**
			Flag of means of transport (ISO country code)				
X	**8281**		**TRANSPORT MEANS OWNERSHIP INDICATOR CODE**		**C**	**1**	**an..3**

Segment: **RFF** **Reference**
Position: 0110
Group: Segment Group 2 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to provide a reference for the liner service, such as: - conference - marketing organization - syndicate - vessel sharing agreement

Comments:
Notes: ***Sample segment :***
RFF+VM:3EQZ6'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C506**		**REFERENCE**	**M**	**1**	
M		**1153**	**Reference code qualifier**	**M**		**an..3**
			ATZ *Ship's stay reference number*			
			MA *Ship notice/manifest number*			
			VM *Vessel identification*			
			VON *Voyage number*			
R		**1154**	**Reference identifier** ***Callsign (if C506.e1153 = 'VM')*** ***Alternative (non vessel operator's) voyage number (if C506.e1153 = 'VON')*** ***Manifest number (if C506.e1153 = 'MA')*** ***Other reference (if C506.e1153 = 'ATZ')***	**C**		**an..70**
X		**1156**	**Document line identifier**	**C**		**an..6**
X		**4000**	**Reference version identifier**	**C**		**an..35**
X		**1060**	**Revision identifier**	**C**		**an..6**

Segment: **LOC** **Place/Location Identification**
Position: 0130 (Trigger Segment)
Group: Segment Group 3 (Place/Location Identification) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify a location related to the main carriage stage such as place of arrival and place of departure.
Comments:
Notes: ***Sample segment :***
LOC+9+AUMEL:139:6:MELBOURNE+CONWS:72:SMD:P&O PORTS'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**3227**		**LOCATION FUNCTION CODE QUALIFIER**		**M**	**1**	**an..3**
			9	*Place/port of loading*			
			11	*Place/port of discharge*			
			175	*Activity location*			
R	**C517**		**LOCATION IDENTIFICATION**		**C**	**1**	
O		**3225**	**Location name code**		**C**		**an..25**
			UNLOCODE				
O		**1131**	**Code list identification code**		**C**		**an..17**
			139	*Port*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			6	*UN/ECE (United Nations - Economic Commission for Europe)*			
O		**3224**	**Location name**		**C**		**an..256**
			Port (free text)				
O	**C519**		**RELATED LOCATION ONE IDENTIFICATION**		**C**	**1**	
O		**3223**	**First related location name code**		**C**		**an..25**
			1st related location code				
O		**1131**	**Code list identification code**		**C**		**an..17**
			72	*Container terminal*			
			266	*Marine berth*			
			267	*Marine wharf*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			9	*EAN (International Article Numbering association)*			
			184	*AU, ACOS (Australian Chamber of Shipping)*			
			SMD	*SMDG (Shipplanning Message Development Group)*			
				Temporary code			
			ZZZ	*Mutually defined*			
O		**3222**	**First related location name**		**C**		**an..70**
			1st related location (free text)				

O	**C553**		**RELATED LOCATION TWO IDENTIFICATION**	**C**	**1**	
O		**3233**	**Second related location name code** ***2nd related location code***	**C**		**an..25**
O		**1131**	**Code list identification code**	**C**		**an..17**
			72 *Container terminal*			
			266 *Marine berth*			
			267 *Marine wharf*			
O		**3055**	**Code list responsible agency code**	**C**		**an..3**
			9 *EAN (International Article Numbering association)*			
			184 *AU, ACOS (Australian Chamber of Shipping)*			
			SMD *SMDG (Shipplanning Message Development Group)* ***Temporary code***			
			ZZZ *Mutually defined*			
O		**3232**	**Second related location name** ***2nd related location (free text)***	**C**		**an..70**
X	**5479**		**RELATION CODE**	**C**	**1**	**an..3**

Segment: **DTM** **Date/Time/Period**
Position: 0140
Group: Segment Group 3 (Place/Location Identification) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify the date(s) and time(s) related to a location.

Comments:
Notes: ***Sample segment :***
DTM+132:201512290600:203'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C507**		**DATE/TIME/PERIOD**		**M**	**1**
M		**2005**	**Date or time or period function code qualifier**		**M**	**an..3**
			132	*Arrival date/time, estimated*		
			133	*Departure date/time, estimated*		
			178	*Arrival date/time, actual*		
			186	*Departure date/time, actual*		
R		**2380**	**Date or time or period value**		**C**	**an..35**
			Arrival/departure date/time			
R		**2379**	**Date or time or period format code**		**C**	**an..3**
			203	*CCYYMMDDHHMM*		

Segment: **NAD** **Name and Address**
Position: 0160 (Trigger Segment)
Group: Segment Group 4 (Name and Address) Mandatory
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify the party's name and address, and function, such as: - message recipient - message sender - ordering customer - ordering customer agent

Comments:
Notes: ***Sample segment :***
NAD+CF+PON:172:20'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**3035**		**PARTY FUNCTION CODE QUALIFIER**		**M**	**1**	**an..3**
			CA	*Carrier*			
			CB	*Customs broker*			
			CF	*Container operator/lessee*			
			CPD	*Charges payer at destination*			
			FW	*Freight forwarder*			
			HA	*Party which delivers consignments to the terminal*			
			HR	*Shipping line service*			
			MR	*Message recipient*			
			MS	*Document/message issuer/sender*			
			OY	*Ordering customer*			
			WPA	*Weighing party*			
				Party designated (legally accepted) to ascertain the weight (applies for both SOLAS method 1 and 2)			
O	**C082**		**PARTY IDENTIFICATION DETAILS**		**C**	**1**	
M		**3039**	**Party identifier**		**M**		**an..35**
			Company code				
O		**1131**	**Code list identification code**		**C**		**an..17**
			160	*Party identification*			
			172	*Carriers*			
			72	*Container Terminal*			
				In case Container Terminal obtained the verified gross mass (weight)			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			7	*CEFIC (Conseil Europeen des Federations de l'Industrie Chimique)*			
			9	*EAN (International Article Numbering association)*			

			10	*ODETTE*		
			16	*US, D&B (Dun & Bradstreet Corporation)*		
			20	*BIC (Bureau International des Containeurs)*		
			87	*Assigned by carrier*		
			163	*US, FMC (Federal Maritime Commission)*		
			166	*US, National Motor Freight Classification Association*		
			184	*AU, ACOS (Australian Chamber of Shipping)*		
			SMD	*SMDG (Shipplanning Message Development Group)* ***Temporary code***		
			ZZZ	*Mutually defined*		
O	**C058**		**NAME AND ADDRESS**		**C**	**1**
			The use of C058 is allowed to accomodate specific local requirements that exist in several ports. The use of C058 however is in general not recommended - whenever possible it is suggested to use C082 instead.			
M		**3124**	**Name and address description**		**M**	**an..35**
O		**3124**	**Name and address description**		**C**	**an..35**
O		**3124**	**Name and address description**		**C**	**an..35**
O		**3124**	**Name and address description**		**C**	**an..35**
O		**3124**	**Name and address description**		**C**	**an..35**
O	**C080**		**PARTY NAME**		**C**	**1**
O		**3036**	**Party name**		**M**	**an..35**
X		**3036**	**Party name**		**C**	**an..35**
X		**3036**	**Party name**		**C**	**an..35**
X		**3036**	**Party name**		**C**	**an..35**
X		**3036**	**Party name**		**C**	**an..35**
X		**3045**	**Party name format code**		**C**	**an..3**
O	**C059**		**STREET**		**C**	**1**
O		**3042**	**Street and number or post office box identifier**		**M**	**an..35**
X		**3042**	**Street and number or post office box identifier**		**C**	**an..35**
X		**3042**	**Street and number or post office box identifier**		**C**	**an..35**
X		**3042**	**Street and number or post office box identifier**		**C**	**an..35**
O	**3164**		**CITY NAME**		**C**	**1** **an..35**
O	**C819**		**COUNTRY SUB-ENTITY DETAILS**		**C**	**1**
O		**3229**	**Country sub-entity name code**		**C**	**an..9**
O		**1131**	**Code list identification code**		**C**	**an..17**
O		**3055**	**Code list responsible agency code**		**C**	**an..3**
O		**3228**	**Country sub-entity name**		**C**	**an..35**
O	**3251**		**POSTAL IDENTIFICATION CODE**		**C**	**1** **an..17**

O	**3207**	**COUNTRY NAME CODE**	**C**	**1**	**an..3**

Segment: **CTA** **Contact Information**
Position: 0180 (Trigger Segment)
Group: Segment Group 5 (Contact Information) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to identify a person or department of a message sender and/or message recipient, such as: - information contact
Comments:
Notes: ***Sample segment :***
CTA+IC+:JOHN SMITH'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
R	**3139**		**CONTACT FUNCTION CODE**		**C**	**1**	**an..3**
			IC	*Information contact*			
			BN	*Certification contact*			
				Weighing responsible (in case of WPA)			
R	**C056**		**DEPARTMENT OR EMPLOYEE DETAILS**		**C**	**1**	
X		**3413**	**Department or employee name code**		**C**		**an..17**
R		**3412**	**Department or employee name**		**C**		**an..35**
			Contact name (in case of IC)				
			Department/Person responsible for obtaining a Transport equipment verified gross mass (weight) (in case of BN)				

Segment: **COM** **Communication Contact**
Position: 0190
Group: Segment Group 5 (Contact Information) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify a communication number of a person or department to whom communication should be directed.

Comments:
Notes: ***Sample segment :***
COM+019858934:TE'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C076**		**COMMUNICATION CONTACT**		**M**	**3**
M		**3148**	**Communication address identifier**		**M**	**an..512**
			Contact number			
M		**3155**	**Communication address code qualifier**		**M**	**an..3**
			EM	*Electronic mail*		
			FX	*Telefax*		
			TE	*Telephone*		
			TL	*Telex*		
			XF	*X.400 address*		

Segment: **EQD** **Equipment Details**
Position: 0380 (Trigger Segment)
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify a container, container size and type used in the transport, and full/empty indication.
Comments:
Notes: ***Sample segment :***
EQD+CN++4532:102:5+2+2+5'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**8053**		**EQUIPMENT TYPE CODE QUALIFIER**		**M**	**1**	**an..3**
			BB	*Break bulk*			
				Temporary code			
			BPP	*Truck and trailer combination being transported*			
			CH	*Chassis*			
			CN	*Container*			
			RG	*Reefer generator*			
				Power pack			
			SW	*Swap body*			
			TE	*Trailer*			
O	**C237**		**EQUIPMENT IDENTIFICATION**		**C**	**1**	
R		**8260**	**Equipment identifier**		**C**		**an..17**
			Marks (letters/numbers) identifying equipment. To be transmitted as they appear on the equipment.				
X		1131	Code list identification code		C		an..17
X		3055	Code list responsible agency code		C		an..3
X		3207	Country name code		C		an..3
D	**C224**		**EQUIPMENT SIZE AND TYPE**		**C**	**1**	
O		**8155**	**Equipment size and type description code**		**C**		**an..10**
			Equipment size/type code as per ISO6346 (.1 or.2, .2 preferred)				
O		**1131**	**Code list identification code**		**C**		**an..17**
			102	*Size and type*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			5	*ISO (International Organization for Standardization)*			
O		**8154**	**Equipment size and type description**		**C**		**an..35**
			Equipment size/type (free text)				
O	**8077**		**EQUIPMENT SUPPLIER CODE**		**C**	**1**	**an..3**
			1	*Shipper supplied*			
			2	*Carrier supplied*			

		5	*Third party supplied*			
O	**8249**	**EQUIPMENT STATUS CODE**		**C**	**1**	**an..3**
		1	*Continental*			
		2	*Export*			
		3	*Import*			
		6	*Transhipment*			
		10	*Positioning*			
		11	*Delivery*			
		12	*Redelivery*			
		13	*Repair*			
R	**8169**	**FULL OR EMPTY INDICATOR CODE**		**C**	**1**	**an..3**
		4	*Empty*			
		5	*Full*			
		6	*No volume available*			
			To be used in case of break bulk			

Segment: **RFF** **Reference**
Position: 0390
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Required)
Max Use: 99
Purpose: A segment to specify the identifying number associated with the container, such as: - container sequence number - booking reference number (sea)
Comments:
Notes: ***Sample segment :***
RFF+SQ:1'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C506**		**REFERENCE**		**M**	**1**
M		**1153**	**Reference code qualifier**		**M**	**an..3**
			AAE	*Goods declaration number*		
			AAO	*Consignee's shipment reference number*		
			AAY	*Carrier's agent reference number*		
			ABT	*Customs declaration number*		
			ABZ	*Vehicle licence number*		
			ACD	*Additional reference number*		
			AHI	*Transport contract reference number*		
			AKB	*Container prefix*		
			AKG	*Vehicle Identification Number (VIN)*		
			AKW	*Transport costs reference number*		
			ARJ	*Personal identity card number*		
			ATW	*Flat rack container bundle identification number*		
			AUA	*Place of positioning reference*		
			BM	*Bill of lading number*		
			BN	*Booking reference number*		
			BST	*Blockstow reference*		
				Temporary code		
			BT	*Batch number/lot number*		
			CN	*Carrier's reference number*		
			CT	*Contract number*		
			CU	*Consignor's reference number*		
			CV	*Container operators reference number*		
			DR	*Dock receipt number*		
			EQ	*Equipment number*		
				To be used in the event that an alternative equipment number is to be quoted in addition to the number in the EQD		

		ER	*Container/equipment receipt number*	
		MKS	*Marks and numbers*	
		RE	*Release number*	
		SQ	*Equipment sequence number*	
		TF	*Transfer number*	
		UCN	*Unique consignment reference number*	
		VN	*Order number (vendor)*	
		VT	*Motor vehicle identification number*	
		VGR	*Transport equipment gross* mass *verification reference number* ***Code as available from version D.15B: Identification reference to documentation of transport equipment gross mass (weight) verification***	
		VOR	*Transport equipment gross mass verification order reference number* ***Code as available from version D.15B: A specific Transport equipment gross mass (weight) verification order send by the customer/shipping line (response to COHAOR)***	
R	**1154**	**Reference identifier** ***Reference number***	**C**	**an..70**
X	**1156**	**Document line identifier**	**C**	**an..6**
X	**4000**	**Reference version identifier**	**C**	**an..35**
X	**1060**	**Revision identifier**	**C**	**an..6**

Segment: **TMD** **Transport Movement Details**
Position: 0400
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to indicate a Full Container Load (FCL) or a Less than Full Container Load (LCL).
Comments:
Notes: ***Sample segment :***
TMD+3++1'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
R	**C219**		**MOVEMENT TYPE**		**C**	**1**	
R		**8335**	**Movement type description code**		**C**		**an..3**
			2	*LCL/LCL*			
				= Pier/Pier = CFS/CFS			
			3	*FCL/FCL*			
				= House/House = CY/CY			
			4	*FCL/LCL*			
				= House/Pier = CY/CFS			
			5	*LCL/FCL*			
				= Pier/House = CFS/CY			
X		**8334**	**Movement type description**		**C**		**an..35**
X	**8332**		**EQUIPMENT PLAN DESCRIPTION**		**C**	**1**	**an..26**
O	**8341**		**HAULAGE ARRANGEMENTS CODE**		**C**	**1**	**an..3**
			1	*Carrier*			
			2	*Merchant*			

Segment: **DTM** **Date/Time/Period**
Position: 0410
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to indicate date and time relating to the delivery of a container: - actual equipment positioning date and/or time
Comments:
Notes: ***Sample segment :***
DTM+7:201512271639:203'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C507**		**DATE/TIME/PERIOD**		**M**	**1**
M		**2005**	**Date or time or period function code qualifier**		**M**	**an..3**
			7	***Effective date/time***		
			36	*Expiry date*		
			94	*Production/manufacture date*		
			181	*Positioning date/time of equipment*		
			201	*Pick-up date/time of equipment*		
			371	*Hydrotest date*		
			376	*Biannual terminal inspection date*		
			377	*Federal HighWay Administration (FHWA) inspection date*		
			378	*Container Safety Convention (CSC) inspection date*		
			379	*Periodic inspection date*		
			394	*Equipment positioning date/time, actual*		
			798	*Verified gross mass determination date/time*		
				Code as available from version D.15B: ***Date/Time when a gross mass (weight) of a packed container was obtained for verification according to SOLAS chapter VI, regulation 2, paragraphs 4-6***		
R		**2380**	**Date or time or period value**		**C**	**an..35**
			Date or date/time			
R		**2379**	**Date or time or period format code**		**C**	**an..3**
			102	*CCYYMMDD*		
			203	*CCYYMMDDHHMM*		

Segment: **LOC** **Place/Location Identification**
Position: 0420
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Required)
Max Use: 9
Purpose: A segment to specify ports/locations associated with the transport of a container, such as: - stowage cell - place of discharge
Comments:
Notes: ***Sample segment :***
LOC+11+ZACPT:139:6+CTCT:72:SMD+F-BERTH:266:ZZZ'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**3227**		**LOCATION FUNCTION CODE QUALIFIER**		**M**	**1**	**an..3**
			5	*Place of departure*			
			7	*Place of delivery*			
			8	*Place of destination*			
			9	*Place/port of loading*			
			11	*Place/port of discharge*			
			13	*Place of transhipment*			
			15	*Place of transfer responsibility*			
			33	*Baseport of discharge*			
			34	*Baseport of loading*			
			65	*Final port or place of discharge*			
			88	*Place of receipt*			
			98	*Place of empty equipment despatch*			
			147	*Stowage cell*			
			154	*Place/location of on-hire*			
			155	*Place/location of off-hire*			
			170	*Final port of discharge*			
			171	*Place of destination for pre-stacking prior to stowage*			
			175	*Activity location*			
R	**C517**		**LOCATION IDENTIFICATION**		**C**	**1**	
O		**3225**	**Location name code**		**C**		**an..25**
			UNLOCODE				
			Stowage location (ISO format BBBRRTT) (if e3227 = 147)				
O		**1131**	**Code list identification code**		**C**		**an..17**
			139	*Port*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			5	*ISO (International Organization for Standardization)*			

				Only to be used when e3227 = 147 (stowage cell)		
			6	*UN/ECE (United Nations - Economic Commission for Europe)*		
O		**3224**	**Location name**		**C**	**an..256**
			Place/location name (free text)			
O	**C519**		**RELATED LOCATION ONE IDENTIFICATION**		**C**	**1**
O		**3223**	**First related location name code**		**C**	**an..25**
			1st related location code			
O		**1131**	**Code list identification code**		**C**	**an..17**
			72	*Container terminal*		
			261	*Consignee's premises*		
			262	*Consignor's premises*		
			263	*Packing and/or unpacking facility*		
			264	*Storage facility*		
			265	*Repair facility*		
			266	*Marine berth*		
			267	*Marine wharf*		
			268	*Gate*		
			269	*Warehouse*		
O		**3055**	**Code list responsible agency code**		**C**	**an..3**
			9	*EAN (International Article Numbering association)*		
			184	*AU, ACOS (Australian Chamber of Shipping)*		
			SMD	*SMDG (Shipplanning Message Development Group)*		
				Temporary code		
			ZZZ	*Mutually defined*		
O		**3222**	**First related location name**		**C**	**an..70**
			1st related location name (free text)			
O	**C553**		**RELATED LOCATION TWO IDENTIFICATION**		**C**	**1**
O		**3233**	**Second related location name code**		**C**	**an..25**
			2nd related location code			
O		**1131**	**Code list identification code**		**C**	**an..17**
			5	*Facility identification*		
			72	*Container terminal*		
			261	*Consignee's premises*		
			262	*Consignor's premises*		
			263	*Packing and/or unpacking facility*		
			264	*Storage facility*		
			265	*Repair facility*		
			266	*Marine berth*		
			267	*Marine wharf*		
			268	*Gate*		
			269	*Warehouse*		
O		**3055**	**Code list responsible agency code**		**C**	**an..3**
			9	*EAN (International Article Numbering association)*		
			184	*AU, ACOS (Australian Chamber of Shipping)*		

			SMD	*SMDG (Shipplanning Message Development Group)*			
				Temporary code			
			ZZZ	*Mutually defined*			
O		**3232**	**Second related location name**		**C**		**an..70**
			2nd related location name (free text)				
X	**5479**		**RELATION CODE**		**C**	**1**	**an..3**

Segment: **MEA** **Measurements**
Position: 0430
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to specify measurement, other than dimensions, associated with the container, such as: - gross weight
Comments:
Notes: ***Sample segment :***
MEA+AAE+VGM+KGM:10474'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**6311**		**MEASUREMENT PURPOSE CODE QUALIFIER**		**M**	**1**	**an..3**
			AAE	*Measurement*			
R	**C502**		**MEASUREMENT DETAILS**		**C**	**1**	
R		**6313**	**Measured attribute code**		**C**		**an..3**
			AAL	*Net weight*			
			AAO	*Humidity*			
				Humidity setting in percentage			
			AAS	*Air flow*			
				Ventilation setting in cbm/hour			
			AAW	*Gross volume*			
			ABJ	*Volume*			
			AET	*Transport equipment gross weight*			
			CD	*Carbondioxide*			
				Carbondioxide setting in percentage			
				Temporary code			
			G	*Gross weight*			
			MW	*Maximum weight*			
			T	*Tare weight*			
			ZO	*Oxygen*			
				Oxygen setting in percentage			
			VGM	*Transport equipment verified gross mass (weight)*			
				Code as available from version D.15B:			
				Transport equipment's gross mass (weight) verified according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6			
X		**6321**	**Measurement significance code**		**C**		**an..3**
X		**6155**	**Non-discrete measurement name code**		**C**		**an..17**
X		**6154**	**Non-discrete measurement name**		**C**		**an..70**
R	**C174**		**VALUE/RANGE**		**C**	**1**	

M		**6411**	**Measurement unit code**		**M**		**an..3**
			FTQ	*Cubic Feet*			
			KGM	*Kilograms*			
			LBR	*Pounds*			
			MTQ	*Cubic Metres*			
			PCT	*Percentage*			
R		**6314**	**Measurement value**		**C**		**an..18**
			Weight, volume or percentage.				
X		**6162**	**Range minimum value**		**C**		**n..18**
X		**6152**	**Range maximum value**		**C**		**n..18**
X		**6432**	**Significant digits quantity**		**C**		**n..2**
X	**7383**		**SURFACE OR LAYER CODE**		**C**	**1**	**an..3**

Segment: **DIM** **Dimensions**
Position: 0440
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to specify dimensions applicable to the container, such as: - external equipment dimensions
Comments:
Notes: ***Sample segment :***
DIM+7+CMT::20'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**6145**		**DIMENSION TYPE CODE QUALIFIER**		**M**	**1**	**an..3**
			1	*Gross dimensions*			
				To be used for break bulk only			
			5	*Off-standard dimension front*			
			6	*Off-standard dimension back*			
			7	*Off-standard dimension right*			
			8	*Off-standard dimension left*			
			10	*External equipment dimension*			
				To be used for non-ISO equipment only			
			13	*Off-standard dimensions height*			
M	**C211**		**DIMENSIONS**		**M**	**1**	
M		**6411**	**Measurement unit code**		**M**		**an..3**
			CMT	*Centimetres*			
			INH	*Inches*			
D		**6168**	**Length dimension value**		**C**		**n..15**
			Overall length if e6145 = 1 or 10				
			Overlength if e6145 = 5 or 6				
D		**6140**	**Width dimension value**		**C**		**n..15**
			Overall width if e6145 = 1 or 10				
			Overwidth if e6145 = 7 or 8				
D		**6008**	**Height dimension value**		**C**		**n..15**
			Overall height if e6145 = 1 or 10				
			Overheight if e6145 = 13				

Segment: **SEL** **Seal Number**
Position: 0450
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify seal and seal issuer associated with the container, such as shipper, consolidator, carrier (sea), Customs or terminal operator.
Comments:
Notes: ***Sample segment :***
SEL+0465672+SH+1'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
R	**9308**		**SEAL IDENTIFIER**		**C**	**1**	**an..35**
			Seal number				
O	**C215**		**SEAL ISSUER**		**C**	**1**	
R		**9303**	**Sealing party name code**		**C**		**an..3**
			AA	*Consolidator*			
			AB	*Unknown*			
			AC	*Quarantine agency*			
			CA	*Carrier*			
			CU	*Customs*			
			SH	*Shipper*			
			TO	*Terminal operator*			
X		1131	Code list identification code		C		an..17
X		3055	Code list responsible agency code		C		an..3
O		**9302**	**Sealing party name**		**C**		**an..35**
			Sealing party name (free text)				
O	**4517**		**SEAL CONDITION CODE**		**C**	**1**	**an..3**
			1	*In right condition*			
			2	*Damaged*			
X	C208		IDENTITY NUMBER RANGE		C	1	
X		7402	Object identifier		M		an..35
X		7402	Object identifier		C		an..35

Segment: **FTX** **Free Text**
Position: 0460
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 99
Purpose: A segment to specify processable supplementary information associated with the container, such as: - damage remarks
Comments:
Notes: ***Sample segment :***
FTX+AAA+++CHOCOLATES'
FTX+ABS++SM1:ZZZ:SMD'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**4451**		**TEXT SUBJECT CODE QUALIFIER**		**M**	**1**	**an..3**
			AAA	*Goods description*			
			AAI	*General information*			
			ABS	*Additional conditions*			
			ACF	*Additional attribute information*			
			ADZ	*CSC (Container Safety Convention) plate information*			
			DAR	*Damage remarks*			
			INV	*Invoice instruction*			
			LOI	*Loading instruction*			
			OSI	*Other service information*			
			SIN	*Special instructions*			
X	**4453**		**FREE TEXT FUNCTION CODE**		**C**	**1**	**an..3**
D	**C107**		**TEXT REFERENCE**		**C**	**1**	
M		**4441**	**Free text value code**		**M**		**an..17**

- REEFER SETTINGS (if e4451 = OSI):

CLS Vents closed
QUA Vents one quarter open
HLF Vents half open
THR Vents three quarters open
FLL Vents fully open
025 Volume of air flow 25 cubic meters per hour
etc.

- INDICATION OF CONSTRUCTION MATERIAL (if e4451 = ACF):

Construction material code as per ISO 9897

- INDICATION OF DAMAGE CONDITION (if e4451 = DAR):

Condition code (see JM4/ITIGG/120)

- CURRENT EQUIPMENT CONDITION (if e4451 = ABS):

Condition code (see JM4/ITIGG/120)

For non-running reefer (dry reefer), the correct mechanism as per JM4/272 is as follows :
e4451 = ABS
C107.e4441 = 117 (no temperature setting required)
C107.e1131 = ZZZ (mutually defined)
C107.e3055 = 184 (ACOS)

Condition code (see JM4/ITIGG/120v1.7)
e4451 = ABS
C107.e4441 =SM1 (Gross Mass Verification – SOLAS Method 1) Gross Mass Verification by weighing the packed container as per SOLAS Regulation 2 Chapter VI, paragraphs 4-6, method 1
=SM2 (Gross Mass Verification – SOLAS Method 2) Gross Mass Verification by calculation of weight of goods transported, packing weight, lashing and securing material weight and container tare weight as per SOLAS Regulation 2, Chapter VI paragraphs 4-6, method 2
C107.e1131 = ZZZ
C107.e3055 = SMD (SMDG)

- INVOICE INSTRUCTION (if e4451 = INV):

Instruction code (see JM4/ITIGG/120)

- SPECIAL INSTRUCTION (if e4451 = SIN):

Instruction code (mutually agreed)

O	**1131**	**Code list identification code**		**C**	**an..17**
		130	*Special handling* ***If e4451 = INV***		
		ZZZ	*Mutually defined* ***If e4451 = ACF, DAR or ABS***		
O	**3055**	**Code list responsible agency code**		**C**	**an..3**
		5	*ISO (International Organization for Standardization)* ***If e4451 = ACF***		

			184	*AU, ACOS (Australian Chamber of Shipping)* ***If e4451 = DAR or ABS***		
			SMD	*SMDG (Shipplaning message design group)* ***If e4451 = ABS (SOLAS)***		
D	**C108**		**TEXT LITERAL**		**C**	**1**
			See Recommendation JM4/272. Only used if 4451 = AAI			
M		**4440**	**Free text value**		**M**	**an..512**
			- CSC PROBLEMS (if e4451 = CSC): ***CSC re-inspection date (CCYYMM) or*** ***ACEP (if there is an acceptance sticker) or*** ***NDAT (in all other cases)*** ***- LOADING INSTRUCTION (if e4451 = LOI):*** ***Free text*** ***- GENERAL INFORMATION (if e4451 = AAI):*** ***Free text*** ***- DESCRIPTION OF GOODS (if e4451 = AAA):*** ***Free text***			
O		**4440**	**Free text value**		**C**	**an..512**
O		**4440**	**Free text value**		**C**	**an..512**
O		**4440**	**Free text value**		**C**	**an..512**
O		**4440**	**Free text value**		**C**	**an..512**
X	**3453**		**LANGUAGE NAME CODE**		**C**	**1 an..3**
X	**4447**		**FREE TEXT FORMAT CODE**		**C**	**1 an..3**

Segment: **EQA** **Attached Equipment**
Position: 0480
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to identify related container and means of transport details (rail), such as: - rail car
Comments:
Notes: ***Sample segment :***
EQA+RG+ MAEG110892'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**8053**		**EQUIPMENT TYPE CODE QUALIFIER**		**M**	**1**	**an..3**
			AB	*Chain*			
			AD	*Temperature recorder*			
			BL	*Blocks*			
			BR	*Barge*			
			CH	*Chassis*			
			CN	*Container*			
			FSU	*Forked support*			
			LAR	*Lashing rope*			
			RG	*Reefer generator*			
				Clip-on			
			RR	*Rail car*			
			STR	*Strap*			
			TE	*Trailer*			
			TP	*Tarpaulin*			
O	**C237**		**EQUIPMENT IDENTIFICATION**		**C**	**1**	
R		**8260**	**Equipment identifier**		**C**		**an..17**
			Equipment number				
X		**1131**	**Code list identification code**		**C**		**an..17**
X		**3055**	**Code list responsible agency code**		**C**		**an..3**
X		**3207**	**Country name code**		**C**		**an..3**

Segment: **HAN** **Handling Instructions**
Position: 0500
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify handling instructions related to the container equipment.

Comments:
Notes: ***Sample segment :***
HAN+RFR:130:184'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
R	**C524**		**HANDLING INSTRUCTIONS**	**C**	**1**	
O		**4079**	**Handling instruction description code**	**C**		**an..3**
			Code as per JM4/ITIGG/120			
O		**1131**	**Code list identification code**	**C**		**an..17**
			130 Special handling			
O		**3055**	**Code list responsible agency code**	**C**		**an..3**
			184 AU, ACOS (Australian Chamber of Shipping)			
O		**4078**	**Handling instruction description**	**C**		**an..70**
			Handling instruction (free text)			
X	**C218**		**HAZARDOUS MATERIAL**	**C**	**1**	
X		**7419**	**Hazardous material category name code**	**C**		**an..4**
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
X		**7418**	**Hazardous material category name**	**C**		**an..35**

Segment: **DAM** **Damage**
Position: 0520 (Trigger Segment)
Group: Segment Group 11 (Damage) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify equipment damages, such as the point of the damage on the equipment, and the type of damage.
Comments:
Notes: ***Sample segment :***
DAM+1+04120::CUT+D::DOOR+10+06290::REMOVE AND REFIT'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	**7493**		**DAMAGE DETAILS CODE QUALIFIER**	**M**	**1**	**an..3**
			1 Equipment damage			
O	**C821**		**TYPE OF DAMAGE**	**C**	**1**	
R		**7501**	**Damage type description code**	**C**		**an..3**
			Code as per ISO 9897, Annex D			
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**7500**	**Damage type description**	**C**		**an..35**
			Type of damage (free text)			
O	**C822**		**DAMAGE AREA**	**C**	**1**	
R		**7503**	**Damage area description code**	**C**		**an..4**
			Code as per ISO 9897, Annex C			
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**7502**	**Damage area description**	**C**		**an..35**
			Damage area (free text)			
O	**C825**		**DAMAGE SEVERITY**	**C**	**1**	
R		**7509**	**Damage severity description code**	**C**		**an..3**
			Code as per ISO 9897, Annex G.3			
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**7508**	**Damage severity description**	**C**		**an..35**
			Damage severity (free text)			
O	**C826**		**ACTION**	**C**	**1**	
R		**1229**	**Action request/notification description code**	**C**		**an..3**
			Code as per ISO 9897, Annex F			
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**1228**	**Action request/notification description**	**C**		**an..35**

Action required or taken (free text)

Segment: **COD** **Component Details**
Position: 0530
Group: Segment Group 11 (Damage) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify component details of the damaged equipment.

Comments:
Notes: ***Sample segment :***
COD+

Data Element Summary

	Data Element	Component Element	Name	Attributes		
O	**C823**		**TYPE OF UNIT/COMPONENT**	**C**	**1**	
R		**7505**	**Unit or component type description code** ***Code as per ISO 9897, Annexes K & L***	**C**		**an..3**
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**7504**	**Unit or component type description** ***Type of unit/component (free text)***	**C**		**an..35**
O	**C824**		**COMPONENT MATERIAL**	**C**	**1**	
R		**7507**	**Component material description code** ***Code as per ISO 9897, Annex E***	**C**		**an..3**
X		**1131**	**Code list identification code**	**C**		**an..17**
X		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**7506**	**Component material description** ***Component material (free text)***	**C**		**an..35**

Segment: **TDT** **Details of Transport**
Position: 0550 (Trigger Segment)
Group: Segment Group 12 (Details of Transport) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate information related to the inland transport stage (road, rail or inland water), such as mode of transport, identification of the means of transport and inland carrier.
Comments:
Notes: ***Sample segment :***
TDT+10++3+95+:::BELLWAY+++LIK38I'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**8051**		**TRANSPORT STAGE CODE QUALIFIER**		**M**	**1**	**an..3**
			1	*Inland transport*			
			10	*Pre-carriage transport*			
			30	*On-carriage transport*			
O	**8028**		**MEANS OF TRANSPORT JOURNEY IDENTIFIER**		**C**	**1**	**an..17**
			Carrier's voyage number				
R	**C220**		**MODE OF TRANSPORT**		**C**	**1**	
R		**8067**	**Transport mode name code**		**C**		**an..3**
			1	*Maritime*			
			2	*Rail*			
			3	*Road*			
			4	*Air*			
			8	*Inland water*			
X		**8066**	**Transport mode name**		**C**		**an..17**
O	**C228**		**TRANSPORT MEANS**		**C**	**1**	
O		**8179**	**Transport means description code**		**C**		**an..8**
			Means of transport code (UN/ECE recommendation 28)				
O		**8178**	**Transport means description**		**C**		**an..17**
			Type of means of transport (free text)				
O	**C040**		**CARRIER**		**C**	**1**	
O		**3127**	**Carrier identifier**		**C**		**an..17**
			Carrier code				
O		**1131**	**Code list identification code**		**C**		**an..17**
			172	*Carriers*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			20	*BIC (Bureau International des Containeurs)*			
			87	*Assigned by carrier*			
			166	*US, National Motor Freight Classification*			

				Association			
			184	*AU, ACOS (Australian Chamber of Shipping)*			
			SMD	*SMDG Shippanning Message Development Group)*			
				Temporary code			
			ZZZ	*Mutually defined*			
O		**3128**	**Carrier name**		**C**		**an..35**
			Carrier name (free text)				
X	**8101**		**TRANSIT DIRECTION INDICATOR CODE**		**C**	**1**	**an..3**
X	**C401**		**EXCESS TRANSPORTATION INFORMATION**		**C**	**1**	
X		**8457**	**Excess transportation reason code**		**M**		**an..3**
X		**8459**	**Excess transportation responsibility code**		**M**		**an..3**
X		**7130**	**Customer shipment authorisation identifier**		**C**		**an..17**
O	**C222**		**TRANSPORT IDENTIFICATION**		**C**	**1**	
O		**8213**	**Transport means identification name identifier**		**C**		**an..9**
			Call Sign (if 8067 = 1 and C222/1131 = 103)				
			Lloyds Number (if 8067 = 1 and C222/1131 = 146)				
			Train ID/Number (if 8067 = 2)				
			Truck ID/Number (if 8067 = 3)				
			Air Service ID (if 8067 = 4)				
			Barge ID/Number (if 8067 = 8)				
O		**1131**	**Code list identification code**		**C**		**an..17**
			103	*Call sign directory*			
			146	*Means of transport identification*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			11	*Lloyd's register of shipping*			
			ZZZ	*Mutually defined*			
O		**8212**	**Transport means identification name**		**C**		**an..35**
			Name of Means of Transport (free text)				
O		**8453**	**Transport means nationality code**		**C**		**an..3**
			Flag of Means of Transport (ISO Country Code)				
X	**8281**		**TRANSPORT MEANS OWNERSHIP INDICATOR CODE**		**C**	**1**	**an..3**

Segment: **DTM** **Date/Time/Period**
Position: 0560
Group: Segment Group 12 (Details of Transport) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify a date and time related to the transport details such as date and time of arrival or departure.

Comments:
Notes: ***Sample segment :***
DTM+132:201512270600:203'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C507**		**DATE/TIME/PERIOD**		**M**	**1**
M		**2005**	**Date or time or period function code qualifier**		**M**	**an..3**
			132	*Arrival date/time, estimated*		
			133	*Departure date/time, estimated*		
			178	*Arrival date/time, actual*		
			186	*Departure date/time, actual*		
R		**2380**	**Date or time or period value**		**C**	**an..35**
			Arrival/departure date/time			
R		**2379**	**Date or time or period format code**		**C**	**an..3**
			203	*CCYYMMDDHHMM*		

Segment: **LOC** **Place/Location Identification**
Position: 0580 (Trigger Segment)
Group: Segment Group 13 (Place/Location Identification) Conditional (Optional)
Level: 3
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify ports/locations associated with inland transport of a container, such as: - place of departure - place of arrival
Comments:
Notes: ***Sample segment :***
LOC+175+ AUMEL:139:6:MELBOURNE+CONWS:72:SMD:P&O PORTS'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**3227**		**LOCATION FUNCTION CODE QUALIFIER**		**M**	**1**	**an..3**
			7	*Place of delivery*			
			8	*Place of destination*			
			9	*Place/port of loading*			
			11	*Place/port of discharge*			
			13	*Place of transhipment*			
			88	*Place of receipt*			
			170	*Final port of discharge*			
			171	*Place of destination for pre-stacking prior to stowage*			
			175	*Activity location*			
R	**C517**		**LOCATION IDENTIFICATION**		**C**	**1**	
O		**3225**	**Location name code**		**C**		**an..25**
			UNLOCODE				
O		**1131**	**Code list identification code**		**C**		**an..17**
			139	*Port*			
O		**3055**	**Code list responsible agency code**		**C**		**an..3**
			6	*UN/ECE (United Nations - Economic Commission for Europe)*			
O		**3224**	**Location name**		**C**		**an..256**
			Place/location name (free text)				
O	**C519**		**RELATED LOCATION ONE IDENTIFICATION**		**C**	**1**	
O		**3223**	**First related location name code**		**C**		**an..25**
			1st related location code				
O		**1131**	**Code list identification code**		**C**		**an..17**
			72	*Container terminal*			
			261	*Consignee's premises*			
			262	*Consignor's premises*			
			263	*Packing and/or unpacking facility*			

			264	*Storage facility*		
			265	*Repair facility*		
			266	*Marine berth*		
			267	*Marine wharf*		
			268	*Gate*		
			269	*Warehouse*		
O		**3055**	**Code list responsible agency code**		**C**	**an..3**
			9	*EAN (International Article Numbering association)*		
			184	*AU, ACOS (Australian Chamber of Shipping)*		
			SMD	*SMDG (Shipplanning Message Development Group)*		
				Temporary code		
			ZZZ	*Mutually defined*		
O		**3222**	**First related location name**		**C**	**an..70**
			1st related location name (free text)			
O	**C553**		**RELATED LOCATION TWO IDENTIFICATION**		**C**	**1**
O		**3233**	**Second related location name code**		**C**	**an..25**
			2nd related location code			
O		**1131**	**Code list identification code**		**C**	**an..17**
			5	*Facility identification*		
			72	*Container terminal*		
			261	*Consignee's premises*		
			262	*Consignor's premises*		
			263	*Packing and/or unpacking facility*		
			264	*Storage facility*		
			265	*Repair facility*		
			266	*Marine berth*		
			267	*Marine wharf*		
			268	*Gate*		
			269	*Warehouse*		
O		**3055**	**Code list responsible agency code**		**C**	**an..3**
			9	*EAN (International Article Numbering association)*		
			184	*AU, ACOS (Australian Chamber of Shipping)*		
			SMD	*SMDG (Shipplanning Message Development Group)*		
				Temporary code		
			ZZZ	*Mutually defined*		
O		**3232**	**Second related location name**		**C**	**an..70**
			2nd related location name (free text)			
X	**5479**		**RELATION CODE**		**C**	**1** **an..3**

Segment: **NAD** **Name and Address**
Position: 0600
Group: Segment Group 10 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify the actual address where a piece of equipment is to be delivered finally (final place of positioning).

Comments:
Notes: ***Sample segment :***
NAD+CF+PON:172:20'
NAD+AM++JOHN DILINGER'

Data Element Summary

	Data Element	Component Element	Name		Attributes
M	**3035**		**PARTY FUNCTION CODE QUALIFIER**		**M 1 an..3**
			CA	*Carrier*	
			CB	*Customs broker*	
			CF	*Container operator/lessee*	
			CG	*Carrier's agent*	
			CN	*Consignee*	
			CZ	*Consignor*	
			EQ	*Empty container responsible party*	
			FP	*Freight/charges payer*	
			GA	*Road carrier*	
			GT	*Rail carrier*	
			HR	*Shipping line service*	
			IO	*Insurance company*	
			JB	*Goods collection party*	
			JC	*Party at final place of positioning*	
			MF	*Manufacturer of goods*	
			OG	*Owner or lessor's surveyor*	
			OH	*Lessee's surveyor*	
			ST	*Ship to*	
			AM	Authorized official – (VGM EDI signature) ***Name in capitals of Authorized person signing for verified gross mass (weight) = EDI signature*** ***Dependency: mandatory if VGM is present in MEA.***	
			SPC	*SOLAS packed container VGM responsible party* ***Code as available from version D.15B:*** ***Party responsible for declaration of a packed***	

container's verified gross mass (weight) according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6

O	**C082**		**PARTY IDENTIFICATION DETAILS**	**C**	**1**	
M		**3039**	**Party identifier**	**M**		**an..35**
			Company Code			
O		**1131**	**Code list identification code**	**C**		**an..17**
			160 *Party identification*			
			172 *Carriers*			
O		**3055**	**Code list responsible agency code**	**C**		**an..3**
			7 *CEFIC (Conseil Europeen des Federations de l'Industrie Chimique)*			
			9 *EAN (International Article Numbering association)*			
			10 *ODETTE*			
			16 *US, D&B (Dun & Bradstreet Corporation)*			
			20 *BIC (Bureau International des Containeurs)*			
			87 *Assigned by carrier*			
			163 *US, FMC (Federal Maritime Commission)*			
			166 *US, National Motor Freight Classification Association*			
			184 *AU, ACOS (Australian Chamber of Shipping)*			
			SMD *SMDG (Ship planning Message Development Group)*			
			Temporary code			
			ZZZ *Mutually defined*			
O	**C058**		**NAME AND ADDRESS**	**C**	**1**	
			The use of C058 is allowed to accommodate specific local requirements that exist in several ports. The use of C058 however is in general not recommended - whenever possible it is suggested to use C082 instead.			
M		**3124**	**Name and address description**	**M**		**an..35**
O		**3124**	**Name and address description**	**C**		**an..35**
O		**3124**	**Name and address description**	**C**		**an..35**
O		**3124**	**Name and address description**	**C**		**an..35**
O		**3124**	**Name and address description**	**C**		**an..35**
O	**C080**		**PARTY NAME**	**C**	**1**	
O		**3036**	**Party name**	**M**		**an..35**
			1. Name in capitals of the person authorized to sign the shipping document declaring a verified gross mass (weight) (In case of qualifier 'AM') = EDI signature			
			2. Company name of SOLAS verified gross mass responsible party (in case of qualifier 'SPC') (optional occurrence 2) = Company of person signing for Verified Gross Mass			
X		**3036**	**Party name**	**C**		**an..35**
X		**3036**	**Party name**	**C**		**an..35**
X		**3036**	**Party name**	**C**		**an..35**

X		3036	Party name	C		an..35
X		3045	Party name format code	C		an..3
O	**C059**		**STREET**	**C**	**1**	
O		**3042**	**Street and number or post office box identifier**	**M**		**an..35**
X		3042	Street and number or post office box identifier	C		an..35
X		3042	Street and number or post office box identifier	C		an..35
X		3042	Street and number or post office box identifier	C		an..35
O	**3164**		**CITY NAME** ***Verified Gross Mass (weight) ascertained location***	**C**	**1**	**an..35**
O	**C819**		**COUNTRY SUB-ENTITY DETAILS**	**C**	**1**	
O		**3229**	**Country sub-entity name code**	**C**		**an..9**
O		**1131**	**Code list identification code**	**C**		**an..17**
O		**3055**	**Code list responsible agency code**	**C**		**an..3**
O		**3228**	**Country sub-entity name**	**C**		**an..35**
O	**3251**		**POSTAL IDENTIFICATION CODE**	**C**	**1**	**an..17**
O	**3207**		**COUNTRY NAME CODE** ***Verified Gross Mass (weight) obtained country***	**C**	**1**	**an..3**

Segment: **DGS** **Dangerous Goods**
Position: 0620 (Trigger Segment)
Group: Segment Group 14 (Dangerous Goods) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the dangerous goods regulations which apply, the class of dangerous goods, additional dangerous goods codes, the United Nations Dangerous Goods (UNDG) number and the shipment flash point.
Comments:
Notes: ***Sample segment :***
DGS+IMD+3+2058+026:CEL++3-06'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
R	**8273**		**DANGEROUS GOODS REGULATIONS CODE**		**C**	**1**	**an..3**
			ADR	*European agreement on the international carriage of dangerous goods on road (ADR)*			
			ANR	*ADNR, Autorisation de transport de matieres Dangereuses pour la Navigation sur le Rhin*			
			CFR	*US, 49 Code of federal regulations*			
			IMD	*IMO IMDG code*			
			RID	*Railroad dangerous goods book (RID)*			
R	**C205**		**HAZARD CODE**		**C**	**1**	
M		**8351**	**Hazard identification code** ***IMDG Class Number*** ***IMDG Sub- class number*** ***RID Class number*** ***CFR49 Codes***		**M**		**an..7**
O		**8078**	**Additional hazard classification identifier** ***IMDG Code Page number***		**C**		**an..7**
O		**8092**	**Hazard code version identifier** ***IMDG Code Version number***		**C**		**an..10**
O	**C234**		**UNDG INFORMATION**		**C**	**1**	
R		**7124**	**United Nations Dangerous Goods (UNDG) identifier** ***UNDG Number***		**C**		**n4**
X		**7088**	**Dangerous goods flashpoint value**		**C**		**an..8**
O	**C223**		**DANGEROUS GOODS SHIPMENT FLASHPOINT**		**C**	**1**	
R		**7106**	**Shipment flashpoint value** ***Flashpoint temperature***		**C**		**n3**
R		**6411**	**Measurement unit code**		**C**		**an..3**
			CEL	*Celsius*			
			FAH	*Fahrenheit*			

O	**8339**		**PACKAGING DANGER LEVEL CODE**	**C**	**1**	**an..3**
			1 *Great danger* ***Packing Group I***			
			2 *Medium danger* ***Packing Group II***			
			3 *Minor danger* ***Packing Group III***			
O	**8364**		**EMERGENCY PROCEDURE FOR SHIPS IDENTIFIER** ***EMS Number***	**C**	**1**	**an..6**
O	**8410**		**HAZARD MEDICAL FIRST AID GUIDE IDENTIFIER** ***MFAG Number***	**C**	**1**	**an..4**
O	**8126**		**TRANSPORT EMERGENCY CARD IDENTIFIER** ***TREM Card Number***	**C**	**1**	**an..10**
O	**C235**		**HAZARD IDENTIFICATION PLACARD DETAILS**	**C**	**1**	
O		**8158**	**Orange hazard placard upper part identifier** ***Hazard identification number, upper part***	**C**		**an..4**
O		**8186**	**Orange hazard placard lower part identifier** ***Hazard identification number, lower part (Substance identification number)***	**C**		**an4**
O	**C236**		**DANGEROUS GOODS LABEL**	**C**	**1**	
O		**8246**	**Dangerous goods marking identifier** ***Dangerous goods label marking 1***	**C**		**an..4**
O		**8246**	**Dangerous goods marking identifier** ***Dangerous goods label marking 2***	**C**		**an..4**
O		**8246**	**Dangerous goods marking identifier** ***Dangerous goods label marking 3***	**C**		**an..4**
X	**8255**		**PACKING INSTRUCTION TYPE CODE**	**C**	**1**	**an..3**
X	**8325**		**HAZARDOUS MEANS OF TRANSPORT CATEGORY CODE**	**C**	**1**	**an..3**
X	**8211**		**HAZARDOUS CARGO TRANSPORT AUTHORISATION CODE**	**C**	**1**	**an..3**

Segment: **FTX** **Free Text**
Position: 0630
Group: Segment Group 14 (Dangerous Goods) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 9
Purpose: A segment to specify supplementary details regarding the dangerous goods such as dangerous goods technical name and dangerous goods additional information.
Comments:
Notes: ***Sample segment :***
FTX+AAC++PP'
FTX+AAD+++BUTYL ACRYLATES, STABILIZED'

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**4451**		**TEXT SUBJECT CODE QUALIFIER**		**M**	**1**	**an..3**
			AAC	*Dangerous goods additional information*			
			AAD	*Dangerous goods, technical name*			
X	4453		FREE TEXT FUNCTION CODE		C	1	an..3
O	**C107**		**TEXT REFERENCE**		**C**	**1**	
M		**4441**	**Free text value code**		**M**		**an..17**
			MARPOL details or indication of transport of dangerous goods in limited quantities (if 4451 = AAC).				
			P	*Marine Pollutant*			
			PP	*Severe Marine Pollutant*			
			TLQ	*Transport of dangerous goods in limited quantities*			
X		1131	Code list identification code		C		an..17
X		3055	Code list responsible agency code		C		an..3
O	**C108**		**TEXT LITERAL**		**C**	**1**	
			Dangerous Goods technical name (if 4451 = AAD)				
			Exterior Placard Label (if 4451 = AAC)				
M		**4440**	**Free text value**		**M**		**an..512**
O		**4440**	**Free text value**		**C**		**an..512**
O		**4440**	**Free text value**		**C**		**an..512**
O		**4440**	**Free text value**		**C**		**an..512**
O		**4440**	**Free text value**		**C**		**an..512**
X	3453		LANGUAGE NAME CODE		C	1	an..3
X	4447		FREE TEXT FORMAT CODE		C	1	an..3

Segment: **TMP** **Temperature**
Position: 0690 (Trigger Segment)
Group: Segment Group 16 (Temperature) Conditional (Optional)
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: A segment to specify the type of transport related temperature such as storage, transport or operating temperature and also to optionally specify a single value temperature setting.
Comments:
Notes: ***Sample segment :***
TMP+2+011:CEL'

Only to be used when a set temperature is to be specified. When a temperature range is to be specified, the RNG segment must be used.

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**6245**		**TEMPERATURE TYPE CODE QUALIFIER**		**M**	**1**	**an..3**
			2	*Transport temperature*			
R	**C239**		**TEMPERATURE SETTING**		**C**	**1**	
R		**6246**	**Temperature value**		**C**		**n..15**
			Temperature setting				
R		**6411**	**Measurement unit code**		**C**		**an..3**
			CEL	*Celsius*			
			FAH	*Fahrenheit*			

Segment: **RNG** **Range Details**
Position: 0700
Group: Segment Group 16 (Temperature) Conditional (Optional)
Level: 3
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to optionally specify the transport related temperature as a range of values.
Comments:
Notes: ***Sample segment :***
RNG+5+CEL:009:013'

Only to be used when a temperature range is to be specified. When a set temperature is to be specified, the TMP segment must be used.

Data Element Summary

	Data Element	Component Element	Name		Attributes		
M	**6167**		**RANGE TYPE CODE QUALIFIER**		**M**	**1**	**an..3**
			5	*Temperature range*			
R	**C280**		**RANGE**		**C**	**1**	
M		**6411**	**Measurement unit code**		**M**		**an..3**
			CEL	*Celsius*			
			FAH	*Fahrenheit*			
R		**6162**	**Range minimum value**		**C**		**n..18**
R		**6152**	**Range maximum value**		**C**		**n..18**

Segment: **CNT** **Control Total**
Position: 0710
Group:
Level: 0
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify the number of containers in the message.
Comments:
Notes: ***Sample segment :***
CNT+1:1'
CNT+16:25'

Data Element Summary

	Data Element	Component Element	Name		Attributes	
M	**C270**		**CONTROL**	**M**	**1**	
M		**6069**	**Control total type code qualifier**	**M**		**an..3**
			1 *Algebraic total of the quantity values in line items in a message*			
			16 *Total number of equipment*			
M		**6066**	**Control total value**	**M**		**n..18**
			Dummy value of 1 (if e6069 = 1)			
			Number of EQD segments in the message (if e6069 = 16)			
X		**6411**	**Measurement unit code**	**C**		**an..3**

Segment: **UNT** **Message Trailer**
Position: 0720
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.
Comments:
Notes: ***Sample segment :***
UNT+28+241443010001'

Data Element Summary

	Data Element	Component Element	Name	Attributes		
M	**0074**		**NUMBER OF SEGMENTS IN A MESSAGE** ***Total number of segments in the message***	**M**	**1**	**n..6**
M	**0062**		**MESSAGE REFERENCE NUMBER** ***Message reference identical to e0062 in UNH segment***	**M**	**1**	**an..14**

8. SAMPLE MESSAGE

8.1 CODECO reporting Gate In message with (unverified) booking weight

UNH+241443010001+CODECO:D:00B:UN:SMDG21'
BGM+109+800255846+9+AB'
DTM+137:201511211523:203'
RFF+BN:800255846'
DTM+36:201511301200:203'
TDT+20+048R+1++MSC:172:20+++7104673:146:11:MSC CLAUDIA:PA'
RFF+VM:3EQZ6'
RFF+VON+048'
LOC+9+AUMEL:139:6 +CONWS:72:SMD'
DTM+132:201512290600:203'
NAD+CF+PON:172:20'
CTA+IC+:GATE OPERATIONS'
COM+019858934:TE'
EQD+CN+PONU4863849+4532:102:5+2+2+5'
RFF+SQ:1'
EQN+1'
TMD+3++1'
DTM+7:201512271639:203'
LOC+11+ZACPT:139:6'
LOC+8+ZAJNB:139:6'
MEA+AAE+**AET**+KGM:10474' Transp. equipment gross weight
SEL+0465672+SH+1'
FTX+AAA+++CHOCOLATES'
EQA+RG+ MAEG110892'
TDT+10++3+95+:::BELLWAY+++LIK38I'
LOC+175+ AUMEL:139:6+CONWS:72:SMD'
TMP+2+011:CEL'
CNT+16:1'
UNT+29+241443010001'

8.2 CODECO reporting Gate In message with verified gross mass (weight) weight available before Gate In arrival. (minimum info)

Container arrived at the gate with Transport equipment verified gross mass (weight) already announced to the terminal via e.g. COPARN (update) message.

UNH+241443010001+CODECO:D:00B:UN:SMDG21'	
BGM+**109**+800255846+9+AB'	Gate IN execution confirmation
DTM+137:201511211523:203'	Date/time of message processing.
RFF+BN:800255846'	Booking reference
DTM+36:201511301200:203'	Transport details
TDT+20+048R+1++MSC:172:20+++7104673:146:11:MSC CLAUDIA:PA'	
RFF+VM:3EQZ6'	
RFF+VON+048'	
LOC+9+AUMEL:139:6:MELBOURNE+CONWS:72:SMD'	
DTM+132:201512290600:203'	
NAD+CF+PON:172:20'	Shipping line
CTA+IC+:GATE OPERATIONS'	Responsible person/department
COM+019858934:TE'	
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
RFF+SQ:1'	
EQN+1'	
TMD+3++1'	
DTM+7:201512271639:203'	Effective (Handling) date
LOC+11+ZACPT:139:6'	Stowage Port of Discharge
LOC+8+ZAJNB:139:6'	PLACE of destination
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass
SEL+0465672+SH+1'	Shipper Seal attached
FTX+AAA+++CHOCOLATES'	Goods description
EQA+RG+ MAEG110892'	Reefer generator
TDT+10++3+95+:::BELLWAY+++LIK38I'	Pre Transport
LOC+175+ AUMEL:139:6:MELBOURNE+CONWS:72:SMD'	Activity location
TMP+2+011:CEL'	Temperature
CNT+16:1'	
UNT+29+241443010001'	

8.3 CODECO reporting Gate In message with verified gross mass (weight) obtained at Gate In by weighing.

Container was weighed at Gate In to ascertain Transport equipment verified gross mass (weight).
This weighing action to obtain this verified weight was a result of:

- A standing order negotiated/agreed by the Shipping line with the terminal
- A specific separate weighing order received by the terminal to weigh this specific container send by a customer (in general the operating Shipping line)

UNH+241443010001+CODECO:D:00B:UN:SMDG21'	
BGM+**109**+800255846+9+AB'	Gate IN execution confirmation
DTM+137:201511211523:203'	Date/time of message processing.
RFF+BN:800255846'	Booking reference
TDT+20+048R+1++MSC:172:20+++7104673:146:11:M	Transport details
SC CLAUDIA:PA'	
RFF+VM:3EQZ6'	
RFF+VON+048'	
LOC+9+AUMEL:139:6:MELBOURNE+CONWS:72:SMD'	
DTM+132:201512290600:203'	
NAD+CF+PON:172:20'	Shipping line
CTA+IC+:GATE OPERATIONS'	Information contact/department
COM+019858934:TE'	
NAD+**WPA**+CONWS:72:SMD’	TE gross mass (weight) weighing party (= term.)
CTA+**BN**+: JOHN SMITH'	Responsible person of weighing
COM+019858934:TE'	
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
RFF+SQ:1'	
RFF+**VGR**:V123456667’	Gross mass (weight) verification reference
EQN+1'	
TMD+3++1'	
DTM+7:201505271639:203'	
DTM+**798**:201505271651:203'	Date/time TE verified gross mass ascertained
LOC+11+ZACPT:139:6'	
LOC+8+ZAJNB:139:6'	
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass (weight)
SEL+0465672+SH+1'	Shipper Seal attached
FTX+AAA+++CHOCOLATES'	
FTX+ABS++**SM1**:ZZZ:SMD’	Weight ascertained via method1=weighed
EQA+RG+ MAEG110892'	
TDT+10++3+95+:::BELLWAY+++LIK38I'	Pre Transport
LOC+175+ AUMEL:139:6 +CONWS:72:SMD'	
TMP+2+011:CEL'	
CNT+16:1'	
UNT+33+241443010001'	

8.4 CODECO reporting Transport equipment (TE) gross weight verification by terminal (~VERMAS)

Container arrived at the gate without a Transport equipment verified gross weight and was stacked in the yard as such.

Container was weighed at the terminal to obtain the Transport equipment verified gross weight.

The weighing action to obtain this verified weight was a result of:

- A specific separate weighing order received by the terminal to weigh this specific container send by a customer (in general the operating Shipping line)
- A weight verification handling instruction (HAN) included in the Container Loading order (COPRAR)
- By IMO guidelines regarding SOLAS implementation rule 13.1 to allow the continued efficient onward movement as agreed by the terminal with the commercial party (shipping line)

UNH+241443010001+CODECO:D:00B:UN:SMDG21'	
BGM+**266**+800**255846+9+AB'**	Transport equipment status change report
DTM+137:201511211523:203'	Date/time of message processing.
RFF+BN:800255846'	Booking reference known
RFF+**VOR**:V00012345’	Response to TE gross mass verification order
NAD+CF+PON:172:20'	Shipping line
NAD+**WPA**+CONWS:72:SMD’	TE gross mass weighing party (= terminal)
CTA+BN+ :JOHN SMITH'	Responsible person of weighing
COM+019858934:TE'	
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
DTM+**798**:201505271651:203'	Date/time TE verified gross mass ascertained
LOC+175+AUMEL:139:6:MELBOURNE+CONWS:72:SMD’	Activity Location
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass (weight)
SEL+V0465672+SH+1'	Shipper Seal attached
FTX+ABS++**SM1**:ZZZ:SMD’	Weight ascertained via method1=weighed
CNT+16:1'	
UNT+16+241443010001'	

No ‘Authorized person’ (individual who represents Shipper, Freight Forwarder, Consolidator, NVOCC, … and signs for the Verified gross mass (weight)) present, as terminal/weighing facility only obtains the weight, and does not sign for it.

8.5 CODECO reporting Transport equipment gross mass (weight) verification by weighing facility (~VERMAS)

Container was send to a weighing facility to ascertain the Transport equipment verified gross mass (weight).

The weighing facility sends the necessary information back to the ordering customer - the shipper or freight forwarder.
The recipient (Shipper / Freight Forwarder) will document this information, an Authorized person will sign it and send the necessary information to comply to the new SOLAS requirements (Verified Gross Mass and Authorized person) to the Shipping line.

The message can be a response to a specific Weighing order/instruction and can than specify the' TE Gross Mass (Weight) Verification Order' which was previously send in a COHAOR.

UNH+241443010001+CODECO:D:00B:UN:SMDG21'	
BGM+**266**+800255846+9+AB'	Transport equipment status change report
DTM+137:201511211523:203'	Date/time of message processing.
RFF+BN:800255846'	Booking reference known
RFF+**VOR**:V00012345'	Response to gross mass verification order
NAD+CF+PON:172:20'	Shipping line
NAD+**WPA**++CONTAINER WEIGHING	TE gross weight verification party =
LTD:STREET:CITY:COUNTRY'	weighing facility
CTA+BN+:JOHN SMITH'	Responsible person obtaining the weight.
COM+019858934:TE'	
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
DTM+**798**:201505271651:203'	Date/time TE gross mass ascertained
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass (weight)
SEL+V0465672+SH+1'	Shipper Seal attached
FTX+ABS++**SM1**:ZZZ:SMD'	Weight ascertained via SOLAS method 1
CNT+14:1'	
UNT+17+241443010001'	