



valenciaport  **pcs.net**
Port Community System

COARRI EDIFACT V.1.0

User Message Guide (EDIFACT)

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1// Introduction.

1.1 // Change Control

The following table lists the chapters on those who have made changes from the previous version of the document.

The specific changes, are listed throughout the document in red

Version	Changed sections	Change description	
1.0	All	Initial versión	22/09/2006
1.1	Receiver	The COARRI's recipient can not be the vessel's agent	10/10/2007
2.0	EQD/TDT/DTM	Se añade el Elemento DateTimePeriod para indicar la fecha de carga en tren para operaciones de descarga con salida ferroviaria	11/11/2010
2.1	EQD/FTX	Stowing instructions added	18/12/2013
2.2	EQD/TDT/DTM	Added accepted value 121 for real entry date of the container in the terminal	Angel Ballesteros 13/01/2015
2.3	All	Apply new User Message Guide template	Juan Carlos Porriño 28/01/2015
3.1	EQD/TDT EQD/TDT/DTM	New comments	Juan Carlos Porriño 25/02/2015
4.0	BGM	Addition	Aurora Carrasco 28/09/2015
4.1	EQD/MEA	VGM (Verified Gross Mass) code attribute added	B. Sielva 30/03/2016
4.2	EQD/FTX	Stowing instruction added	J.M. Boils 16/05/2017

1.2 // Purpose

This user manual is a subset of the implementation guide of the UN/EDIFACT message version 2.0 published by the SMDG User Group for Shipping Lines and Container Terminals.

valenciaportpcs.net recognises the full copyright of the contents of the manual published by SMDG user group. For the easy understanding of the particularities of the use of this message in the valenciaportpcs.net scenario, this manual reproduces the contents of the SMDG user manual taking into account the provision made by SMDG allowing, without previous consent, to copy the manual.

The user manual published by SMDG is based upon the UN/EDIFACT D.00B directory and the ITIGG document "Principles and Rules for the implementation of transport EDI messages – Transport Equipment Movements – Maritime-related container messages", version 1.3.1, dated September 1996.

The SMDG User Manual provides guidance as to the recommended usage of codes, qualifiers, data elements, composites, segments and groups of segments in the D.00B COARRI message. The intention is to assist developers to ensure consistent use of the COARRI message throughout the worldwide trade and transport community. This manual defines the particularities adopted by valenciaportpcs.net for the use of the COARRI message within the port community of Valenciaport.

1.3 // General.

Formal definition

"A message by which the container terminal reports that the containers specified have been discharged from a seagoing vessel (discharged as ordered, overlanded or shortlanded), or have been loaded into a seagoing 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 COARRI message is used to transmit a confirmation that containers have been loaded onto or have been discharged from a seagoing vessel. This message is commonly sent by the terminal operator handling the vessel to the shipping line (or its agent).

The COARRI's recipient must be assigned using these rules:

The COPRAR's sender. If it does not exists:

The carrier agent of the vessel line. If it does not exists:

The vessel agent.

In addition to containers loaded or discharged, the COARRI message may also be used to confirm that containers have been shifted on board the vessel or that containers have been discharged and reloaded (restowed) onto the vessel.

The COARRI message will also be used to transmit the confirmation list of containers loaded onto or discharged from a seagoing vessel, to the carriers operating the same vessel through joint service agreements. In this context, this message is commonly sent by Valenciaportpcs.net to the shipping line (or its agent) that has the joint service agreement .

It's possible to send replacements of a COARRI previous message. In this case the document identifier must be the same one than the identifier in original function

1.4 // Contents

This documents consists of:

- Chapter 1 Introduction.

- Chapter 2 Messaging between actors.
- Chapter 3 COARRI message structure
- Chapter 4 Sample.

1.5 // Reference documents.

User Group for Shipping Lines and Container Terminals (SMDG)	<ul style="list-style-type: none"> • COARRI User Manual. Version 2.0. March 2003
United Nations Directories for Electronic Data Interchange for Administration, Commerce and Transport (UN/EDIFACT)	<ul style="list-style-type: none"> • COARRI Version D Release 95B. COARRI Version D Release 00B

1.6 // Shorthands

Término	Significado
APV	Port Authority Of Valencia
ISO	International Organization for Standardization
M	Mandatory
O	Optional
UN/EDIFACT	United Nations Directories for Electronic Data Interchange for Administration, Commerce and Transport
SMDG	User Group for Shipping Lines and Container Terminals
UN/LOCODE	United Nations Code for Trade and Transport Locations
CM	Cargo Agent
CB	Vessel's Agent
CN	Carriers's agent
COPLIS	Equipment list sent by the carrier's agent
COPORD	Charge/ Discharge list sent by the vessel's operator

1.7 // 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 :

<i>Value</i>	<i>Description</i>
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 :

<i>Value</i>	<i>Description</i>
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.

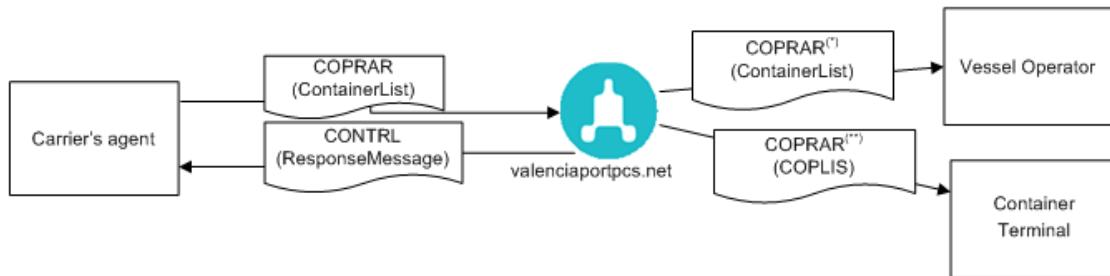
Where an item within a segment group, segment or composite data element is marked with Usage Indicators “M” or “R”, but the segment group, segment or composite data element has been marked “O” or “D” (or for that matter “X”), the item is only to be transmitted when the segment group, segment or composite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

The Mandatory and Required usage of a segment group, segment or composite data element indicated in the SMDG guide is not altered in this user manual. The TMP and TDT segments are an exception of this rule where some Required elements have been changed to Optional. However the Optional or Dependent usage may be altered and specified as Not Used in this user manual. This change implies that, although the segment group, segment or composite data element is allowed to appear in the message, the transaction never has to rely in this information and has to be ignored.

Other particularities included in this user manual are some element restrictions required for the proper handling of this message or the selection of a subset of allowed codes/qualifiers to be used in the message. All these differences will be marked in red in the manual.

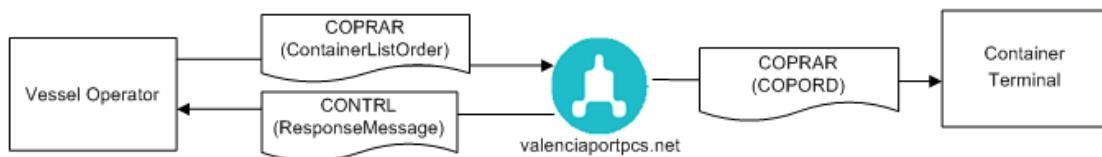
2 // Messaging

Original, replace and cancellation for COPRAR-COPLIS sent by goods agent



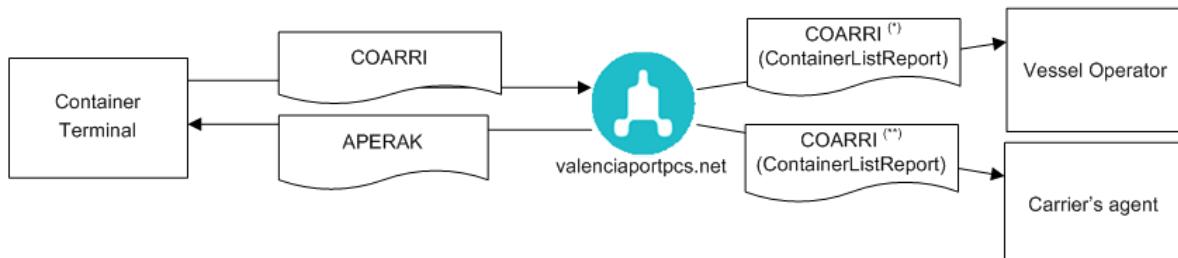
(**) If CB is not working with valenciaportpcs.net, the COPRAR sent by CM is forwarded directly to the Stevedoring Company CONTRL(ResponseMessage) will be always sent by valenciaportpcs.net in response to some received message, acknowledging o rejecting it.

Original, replace and cancellation for COPRAR-COPORD sent by vessel operator



CONTRL(ResponseMessage) will be always sent by valenciaportpcs.net in response to some received message, acknowledging o rejecting it.

Original and replace for COARRI sent by stevedoring company



(**) CM will only receive his containers

3 // COARRI Container Discharge/Loading Report Message

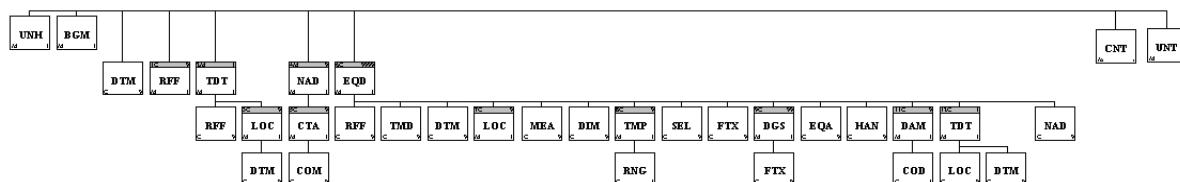
Introduction:

A message by which the container terminal reports that the containers specified have been discharged from a seagoing vessel (discharged as ordered, overlanded or shortlanded), or have been loaded into a seagoing 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'.

Attributes	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Group Repeat	Notes and Comments
M		UNB	Interchange Header	M	1		
M	0010	UNH	Message Header	M	1		
M	0020	BGM	Beginning of Message	M	1		
R	0030	DTM	Date/Time/Period	C	9		
	0040	FTX	Free Text	G	9		
O	0050		Segment Group 1: RFF-DTM	C		9	
M	0060	RFF	Reference	M	1		
	0070	DTM	Date/time/period	G	9		
M	0080		Segment Group 2: TDT-DTM-RFF-SG3	M		1	
M	0090	TDT	Details of Transport	M	1		
	0100	DTM	Date/time/period	G	9		
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	4		
O	0190	COM	Communication Contact	G	9		
R	0200		Segment Group 6: EQD-RFF-GDS-TMD-DTM-SG7-MEA-DIM-SG8-SEL-FTX-PCD-SG9-EQA-PIA-COD-HAN-SG11-SG12-NAD	C		9999	
M	0210	EQD	Equipment Details	M	1		
O	0220	RFF	Reference	C	9		
	0230	GDS	Nature of cargo	G	9		
O	0240	TMD	Transport Movement Details	C	9		
R	0250	DTM	Date/Time/Period	C	9		
R	0260		Segment Group 7: LOC-DTM	C		9	
M	0270	LOC	Place/Location Identification	M	1		
	0280	DTM	Date/time/period	G	9		
O	0290	MEA	Measurements	C	9		
O	0300	DIM	Dimensions	C	9		
O	0310		Segment Group 8: TMP-RNG	C		9	
M	0320	TMP	Temperature	M	1		
O	0330	RNG	Range Details	C	1		
O	0340	SEL	Seal Number	C	9		
O	0350	FTX	Free Text	C	9		

	0360	PCD	Percentage details	C	9	
O	0370		Segment Group 9: DGS-FTX-MEA-SG10	C	99	
M	0380	DGS	Dangerous Goods	M	1	
E	0390	FTX	Free Text	C	9	
O	0400	MEA	Measurements	C	9	
O	0410		Segment Group 10: CTA-COM	C	9	
M	0420	CTA	Contact information	M	4	
O	0430	COD	Communication contact	C	4	
O	0440	EQA	Attached Equipment	C	9	
M	0450	PIA	Additional product id	C	9	
E	0460	COD	Component details	C	4	
O	0470	HAN	Handling Instructions	C	9	
O	0480		Segment Group 11: DAM-COD	C	9	
M	0490	DAM	Damage	M	1	
E	0500	COD	Component Details	C	9	
O	0510		Segment Group 12: TDT-LOC-DTM	C	1	
M	0520	TDT	Details of Transport	M	1	
O	0530	LOC	Place/Location Identification	C	9	
O	0540	DTM	Date/Time/Period	C	9	
O	0550	NAD	Name and Address	C	9	
O	0560	CNT	Control Total	C	1	
M	0570	UNT	Message Trailer	M	1	



To support the reporting of the containers loaded or discharged to the carriers, the message scenario for performing these transactions is constituted of the following messages:

Transport Loading/Discharge Report message (message type: COARRI), by which the container terminal notifies the list of containers loaded to a vessel or discharged from a vessel to the Shipping Line / ship-owner operating the vessel, or its Carrier's Agent. This message also allows the replacement of this Transport Loading/Discharge Report.

Acknowledgement message (message type: APERAK), by which the system acknowledges the receipt of a COARRI and informs the sender about the results of the reception of this message (such as rejected because it has syntactic or semantic errors or accepted without errors).

4 // Segment UNB

Segment	UNB	Interchange Header
Position		
Group		
Level	0	
Usage	Mandatory	
Max Use	1	
Purpose	Identify an interchange	
Comments		
Notes	Sample segment : UNB+UNOA:2+VALENCIAPORT+VPPP+060125:0140+20060125012296'	

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	S001		SYNTAX IDENTIFIER	M	1	
M		0001	Syntax identifier	M		an..6
			UNOA indicating the use of level 'A' character set.			
M		0002	Syntax version number	M		n1
			2 indicating the use of level 'A' character set.			
M	S002		SENDER IDENTIFICATION	M	1	
M		0004	Sender identification	M		an..35
			Name code of the message sender: Mailbox assigned by valenciaportpcs.net to the sender VALENCIAPORT			
X		0007	Code list identification code	G		an..4
X		0008	Return address	G		an..14
M	S003		RECIPIENT IDENTIFICATION	C	1	
M		0010	Recipient identification	M		an..35
			Name code of the message recipient: Mailbox assigned by valenciaportpcs.net to the recipient VPPP			
X		0007	Code list identification code	G		an..4
X		0014	Address	G		an..14
M	S004		DATE/TIME OF PREPARATION	M	1	
M		0017	Date of preparation	M		n6
			Preparation date of the message (format YYMMDD)			
M		0019	Time of preparation	M		n4
			Preparation date of the message (format HHMM)			
M	0020		INTERCHANGE CONTROL REFERENCE	M		an..14
			A reference allocated by the sender, uniquely identifying the interchange. This reference must also be transmitted in the UNZ segment.			
X	S005		RECIPIENT REFERENCE	G	4	
X		0022	Recipient reference	G		an..14
X		0025	Code list recipient reference	G		an..2
X	0026		APPLICATION REFERENCE	G		an..14
X	0029		PROCESS PRIORITY CODE	G		an..4
X	0031		RESPONSE TYPE CODE	G		n1

X	0032	COMMUNICATION IDENTIFIER	G	an..35
X	0035	TRIAL IDENTIFIER	G	n1

5 // Segment UNH

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 discharge/loading order message is COARRI.	
Comments	Note: Container discharge/loading order messages conforming to this document must contain the following data in segment UNH, composite S009: Data element 0065 COARRI 0052 D 0054 00B 0051 UN	
Notes	Sample segment : UNH+VPPP6200310230+COARRI:D:00B:UN:SMDG20'	

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	0062		MESSAGE REFERENCE NUMBER	M	1	an..14
			<i>Unique message reference assigned by the sender. This reference must also be transmitted in the UNT segment. For the purposes of a proper handling of this message by the valenciaportpcs.net platform the message reference number shall follow the following structure:</i>			
			VVVV0CCCCCCCCC			
			<i>Where:</i>			
			<ul style="list-style-type: none"> • VVVV (an4) is the identification code of the sender party assigned by valenciaportpcs.net • A: String 1, Year (last digit) • CCCCCCCCC (an9) is a unique reference assigned by the sender party to the message. 			
M	S009		MESSAGE IDENTIFIER	M	1	
M		0065	Message type identifier	M		an..6
			COARRI	<i>Container discharge/loading order message</i>		
M		0052	Message type version number	M		an..3
			D	<i>Draft version/UN/EDIFACT Directory</i>		
M		0054	Message type release number	M		an..3
			00B	<i>Release 2000 – B</i>		
M		0051	Controlling agency	M		an..2
			UN	<i>UN/CEFACT</i>		
R		0057	Association assigned code	C		an..6
			SMDG20	<i>SMDG Version 2.0</i>		
O	0068		COMMON ACCESS REFERENCE	C	1	an..35
			<i>Additional message reference (if required)</i>			
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

--	--	--	--

6 // Segment BGM

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 Loading order, Discharge order.
Comments	<p><i>For replace(5) functions document identifier must be the same one than the identifier in original function (9).</i></p> <p><i>If element 1004 has not be included by the sender, it will be automatically assigned by the system with the following structure: UUUUAAAATNNNNNN</i></p> <p>UUUU: InterchangeHeader\InterchangeSender\SenderIdentification</p> <p>AAAA: Year (Now)</p> <p>T: I(Import, if 1001=119), E(Export , if 1001=122)</p> <p>NNNN : sequential number assigned by the system</p>
Notes	Sample segment : BGM+122+ VPPP2006I000486+9+AB'

Data Element Summary

Attributes	Data Element	Component Element	Name			
R	C002		DOCUMENT/MESSAGE NAME	C	1	
R		1001	Document name code	C		an..3
			119	<i>Transport discharge instruction</i>		
			122	<i>Transport loading instruction</i>		
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 for the document.			
			If code 5 (Replace) is used in element 1225 (Message function code), document identifier must be the same than the one used in the previous message sent with the original message function (code 9 in element 1225).			
X		1056	Version identifier	C		an..9
X		1060	Revision identifier	C		an..6
R	1225		MESSAGE FUNCTION CODE	C	1	an..3
			Message Functions:			
			<ul style="list-style-type: none"> • Addition (2): Partial confirmations while loading/unloading. • The complete confirmation list (9), when loading/unloading ends. • Replacements (5) of the complete list for modifications. 			

	5	<i>Replace</i>
	2	<i>Addition</i>
	9	<i>Original</i>
O	4343	RESPONSE TYPE CODE

AB *Message acknowledgement*

C 1 an..3

7// Segment DTM

Segment	DTM	Date/Time/Period
Position	0030	
Group		
Level	1	
Usage	Conditional (Required)	
Max Use	1	
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	<i>Only one occurrence of this segment is used. The document/message send date is mandatory.</i>	
Notes	Sample segment : <i>DTM+137: 200611141215:203'</i>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
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..3 5
			<i>Date/time that the message was prepared.</i>			
R		2379	Date or time or period format code	C		an..3
			203 CCYYMMDDHHMM			

8 // Segment Group 1: RFF

Group	Segment Group 1 (Reference)	Conditional (Optional)
Level	1	
Usage	Conditional (Optional)	
Max Use	1	
Purpose		
Comments	A segment to express a reference which applies to the entire message	
Notes		

9 // Segment RFF

Segment	RFF Reference
Position	0060 (Trigger Segment)
Group	Segment Group 1 (Reference) Conditional (Optional)
Level	1
Usage	Optional
Max Use	1
Purpose	A segment to express a reference which applies to the entire message, such as: - container discharge/loading order reference - reference to previous message
Comments	<i>The notification of the carrier's agent reference number is optional..</i>
Notes	Sample segment : RFF+AAY: 1456578NJDSIC'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	C506		REFERENCE	M	1	
M	1153		Reference code qualifier	M		an..3
			AAY	Carrier's agent reference number		
				The carrier's agent reference number is used for the purposes of including a reference to the COPRAR message sent by carrier agent to the stevedoring company		
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

10 // Segment Group 2: TDT-DTM-RFF-SG3

Group	Segment Group 2 (Details of Transport)	Mandatory
Level	1	
Usage	Mandatory	
Max Use	1	
Purpose		
Comments	The use of Segment Group 2: TDT-RFF-SG3 is mandatory and only one occurrence of this group is allowed to include the details of the main transport (vessel where the loading/discharge operations will take place) Don't use DTM segment.	
Notes		

11 // Segment TDT

Segment	TDT Details of Transport
Position	0090 (Trigger Segment)
Group	Segment Group 2 (Details of Transport) Mandatory
Level	1
Usage	Mandatory
Max Use	1
Purpose	A segment identifying the voyage of the vessel relevant to the message (main transport).
Comments	<i>The use of Segment Group 2: TDT-RFF-SG3 is mandatory and only one occurrence of this group is allowed to include the details of the main transport (vessel where the loading/discharge operations will take place)</i>
Notes	Sample segment : TDT+20+1111+1++CCCC:::CARRIER NAME+++9041227:146::EMPRESS HEAVEN'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	8051		TRANSPORT STAGE CODE QUALIFIER	M	1	an..3
		20	<i>Main-carriage transport</i>			
D	8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	1	an..17
			<i>Vessel operator's voyage number</i>			
R	C220		MODE OF TRANSPORT	C	1	
R		8067	Transport mode name code	C		an..3
		1	<i>Maritime transport (ocean)</i>			
X		8066	Transport mode name	C		an..17
O	C228		TRANSPORT MEANS	C	1	
O		8179	Transport means description code	C		an..8
			<i>Means of transport code (UN/ECE Recommendation 28)</i>			
O		8178	Transport means description	C		an..17
			<i>Type of means of transport (free text)</i>			
O	C040		CARRIER	C	1	
O		3127	Carrier identifier	C		an..17
			<i>Vessel operator's code</i> Only codes agreed among valenciaportpcs.net system are allowed. The vessel operator's code will be the code assigned to the shipping line / ship-owner which is operating the vessel. Although it is strongly recommended to include this element it is optional (in spite of the Required status specified in the SMDG guide).			
O		1131	Code list identification code	C		an..17
		172	<i>Carriers</i>			
O		3055	Code list responsible agency code	C		an..3
		20	<i>BIC (Bureau International des Conteneurs)</i>			
		87	<i>Assigned by carrier</i>			
		166	<i>US, National Motor Freight Classification Association</i>			
		184	<i>AU, ACOS (Australian Chamber of Shipping)</i>			
		SMD	<i>SMDG (Shipplanning Message Development Group)</i>			
		ZZZ	<i>Temporary code</i>			
O		3128	Carrier name	C		an..35

			Vessel operator's name (free text) Carrier name of the vessel's operator (shipping line/ ship-owner which is operating the vessel)	
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	G an..17
D	C222		TRANSPORT IDENTIFICATION	C 1
D		8213	Transport means identification name identifier	C an..9
			Lloyd's (IMO) number (if 1131="146") or Radio Call Sign (if 1131="103") It is strongly recommended to include Lloyd's (IMO) vessel number although it is not mandatory as the ship's stay reference number (vessel port call reference) will be provided within this group.	
O		1131	Code list identification code	C an..17
		146	<i>Lloyd's number (IMO) (recommended, default value)</i>	
		103	<i>Radio Call Sign</i>	
O		3055	Code list responsible agency code	C an..3
		11	<i>Lloyd's register of shipping</i>	
O		8212	Transport means identification name	C an..35
			<i>Vessel name (free text)</i>	
O		8453	Transport means nationality code	C an..3
			<i>Flag of means of transport (ISO country code)</i>	
X	8281		TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C 1 an..3

12 // Segment RFF

Segment	RFF Reference
Position	0110
Group	Segment Group 2 (Details of Transport) Mandatory
Level	2
Usage	Required
Max Use	1
Purpose	A segment to provide alternative (non vessel operator's) voyage number and other references related to the main carriage means of transport.
Comments	<i>The use of this segment is mandatory. Only one occurrence of this segment is used to indicate the vessel port call reference.</i>
Notes	Sample segment : RFF+ATZ: 1200600001'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	C506		REFERENCE	M	1	
M		1153	Reference code qualifier	M		an..3
			ATZ	Ship's stay reference number Vessel Port Call Reference (Reference assigned by the Port Authority to the ship's stay in port)		
R		1154	Reference identifier	C		an..70
			Other reference – Vessel Port Call Reference (Reference assigned by the Port Authority to the ship's stay in port) (<i>if C506.e1153 = 'ATZ'</i>)			
X		1156	Document line identifier	G		an..6
X		4000	Reference version identifier	G		an..35
X		1060	Revision identifier	G		an..6

13 // Segment Group 3: LOC-DTM

Group	Segment Group 3 (Place/Location Identification)	Conditional (Optional)
Level	2	
Usage	Optional	
Max Use	2	
Purpose		
Comments	The use of this segment is optional. It is used to inform about the port where the loading or discharge operations will take place.	
Notes		

14 // Segment LOC

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 identify a location related to the means of transport, such as: - place of departure/arrival (terminal within the port)
Comments	<i>The use of this segment is optional. It is used to inform about the port where the loading or discharge operations will take place</i>
Notes	Sample segment : LOC+9+NLRTM:::ROTTERDAM'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	3227		LOCATION FUNCTION CODE QUALIFIER	M	1	an..3
			9	<i>Place/port of loading</i> Use this code when the element 1001 (Document name code) of BGM segment is 122 (Transport loading instruction)		
			11	<i>Place/port of discharge</i> Use this code when the element 1001 (Document name code) of BGM segment is 119 (Transport discharge instruction)		
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	<i>Port</i>		
O		3055	Code list responsible agency code	C		an..3
			6	<i>UN/ECE (United Nations – Economic Commission for Europe)</i>		
O		3224	Location name	C		an..25
					6	
				<i>Port name (free text)</i>		
O	C519		RELATED LOCATION ONE IDENTIFICATION	C	1	
O		3223	First related location name code	C		an..25
				<i>1st related location code</i>		
O		1131	Code list identification code	C		an..17
			72	<i>Container terminal</i>		
			266	<i>Marine berth</i>		
			267	<i>Marine wharf</i>		
O		3055	Code list responsible agency code	C		an..3
			9	<i>EAN (International Article Numbering association)</i>		
			184	<i>AU, ACOS (Australian Chamber of Shipping)</i>		
			SMD	<i>SMDG (Shipplanning Message Development Group)</i>		
				Temporary code		
			ZZZ	<i>Mutually defined</i>		

0		3222	First related location name	G	an..70
			1st related location name (free text)		
0	C553		RELATED LOCATION TWO IDENTIFICATION	G	4
0		3233	Second related location name code	G	an..25
			2nd related location code		
0		1131	Code list identification code	G	an..17
		72	Container terminal		
		266	Marine berth		
		267	Marine wharf		
0		3055	Code list responsible agency code	G	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		
0		3232	Second related location name	G	an..70
			2nd related location name (free text)		
X	5479		RELATION CODE	G	4 an..3

15 // Segment DTM

Segment	DTM	Date/Time/Period
Position	0140	
Group	Segment Group 3 (Place/Location Identification)	Conditional (Optional)
Level	3	
Usage	Conditional (Optional) This segment is not used in the transaction.	
Max Use	2	
Purpose	A segment to specify date(s) and time(s) related to a location.	
Comments		
Notes	<i>Sample segment :</i> DTM+132:200611141215:203'	

Data Element Summary

Attributes	Data Element	Component Element	Name			
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			
R		2380	Date or time or period value <i>Arrival/departure date/time</i>	C		an..35
R		2379	Date or time or period format code	C		an..3
		203	CCYYMMDDHHMM			

16 // Segment Group 4: NAD-SG5

Group	Segment Group 4 (Name and Address)	Optional
Level	1	
Usage	Mandatory	
Max Use	9	
Purpose		
Comments	A segment to identify the party's which apply to the whole message	
Notes		

17 // Segment NAD

Segment	NAD Name and Address
Position	0160 (Trigger Segment)
Group	Segment Group 4 (Name and Address) Optional
Level	1
Usage	Mandatory
Max Use	6
Purpose	A segment to identify the party's which apply to the whole message
Comments	<p><i>This segment has six occurrences, to inform about the shipping line service, the message sender (MS) and receiver (MR) parties, the regular service code (SLS) and the container terminal (TR). Valenciaportpcs.net will always include "TR" occurrence.</i></p> <p><i>"CA" code applies to every container mentioned in grp3 unless in segment NAD (grp3) specified otherwise</i></p> <p><i>Container Terminals can use their own codes for identifying container lines and involved parties. They will be translated by valenciaportpcs.net</i></p>
Notes	Sample segment : NAD+MR+T999+NAME DOCUMENT RECIPIENT'

Data Element Summary

Attributes	Data Element	Component Element	Name				
M	3035		PARTY FUNCTION CODE QUALIFIER	M	1	an..3	
			HR	<i>Shipping line service</i> This code qualifier is used to inform about the shipping line service of the vessel. Only one shipping line service is allowed. <i>Optional</i>			
			MR	<i>Message recipient</i> Recipient of the document. Only one recipient is allowed.			
			MS	<i>Document/message issuer/sender</i> Sender of the document. Only one sender is allowed.			
			TR	<i>Container Terminal</i>			
			CA	<i>Carrier (container line)</i> Applies to every container mentioned in grp3 unless in segment NAD (grp3) specified otherwise			
			SLS	<i>Regular service code</i> <i>Regular service code of the vessel. Optional.</i>			
O	C082		PARTY IDENTIFICATION DETAILS	C	1		
M		3039	Party identifier	M		an..35	
			Company code	Codes agreed among valenciaportpcs.net system will be used.			
O		1131	Code list identification code	G		an..17	
			160	<i>Party identification</i>			
			172	<i>Carriers</i>			
O		3055	Code list responsible agency code	G		an..3	
			20	<i>BIC (Bureau International des Conteneurs)</i>			
			87	<i>Assigned by carrier</i>			
			166	<i>US, National Motor Freight Classification Association</i>			
			184	<i>AU, ACOS (Australian Chamber of Shipping)</i>			
			SMD	<i>SMDG (Shipplanning Message Development Group)</i>			

			Temporary code		
			<u>ZZZ</u>	Mutually defined	
O	C058		NAME AND ADDRESS	C	1
			<i>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.</i>		
M		3124	Name and address description	M	an..35
O		3124	Name and address description	C	an..35

18 // Segment Group 5: CTA-COM

Group	Segment Group 5 (Contact Information)	Conditional (Optional)
Level	2	
Usage	Optional	
Max Use	9	
Purpose		
Comments	This group is not used in the transaction.	
Notes		

19 // Segment CTA

Segment	CTA Contact Information
Position	0180 (Trigger Segment)
Group	Segment Group 5 (Contact Information) Conditional (Optional)
Level	2
Usage	Mandatory This segment is not used in the transaction
Max Use	4
Purpose	A segment to identify a person or department of a message sender and/or message recipient, such as: - information contact
Comments	
Notes	<i>Sample segment: CTA+IC+:CARGO CONTROL'</i>

Data Element Summary

Attributes	Data Element	Component Element	Name			
R	3139		CONTACT FUNCTION CODE	C	1	an..3
			IC Information contact			
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			

20 // Segment COM

Segment	COM Communication Contact
Position	0190
Group	Segment Group 5 (Contact Information) Conditional (Optional)
Level	3
Usage	Conditional (Optional) This segment is not used in the transaction.
Max Use	9
Purpose	A segment to identify a communication number of a person or department to whom communication should be directed.
Comments	
Notes	<i>Sample segment: COM+0181372453:TE'</i>

Data Element Summary

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

21 // Segment Group 6: EQD-RFF- TMD-DTM- MEA-DIM-SG7- MEA-DIM- SG8- SEL-FTX-SG9-EQA-HAN-SG11-SG12-NAD

Group	Segment Group 6 (Equipment Details)	Mandatory
Level	1	
Usage	Mandatory	
Max Use	9999	
Purpose		
Comments	The use of Segment Group 6: EQD-RFF- EQN-TMD-DTM- LOC-MEA-DIM-SG7- MEA-DIM- SEL-FTX-SG8- SEL-FTX-SG9-EQA-HAN-SG110-SG12-NAD is mandatory. It is allowed to include up to 9999 occurrences of this group.	
Notes		

22 // Segment EQD

Segment EQD Equipment Details		
Position	0210 (Trigger Segment)	
Group	Segment Group 6 (Equipment Details)	Mandatory
Level	1	
Usage	Mandatory	
Max Use	1	
Purpose	A segment identifying a container, container size/type. The equipment status may be e.g. import, export, transhipment, shifter.	
Comments	<p><i>The use of Segment Group 6: EQD-RFF- EQN-TMD-DTM- LOC-MEA-DIM-SG7- MEA-DIM- SEL-FTX-SG8- SEL-FTX-SG9-EQA-HAN-SG110-SG12-NAD is mandatory. It is allowed to include up to 9999 occurrences of this group.</i></p> <p><i>The Equipment Identifier (element 8260) and Equipment Size and Type Description Code (element 8155) shall be always supplied in valenciaportpcs.net. The Equipment Status Code (element 8249) shall be always supplied in valenciaportpcs.net when the Full or Empty Indicator Code (element 8169) is Full (code <>4).</i></p> <p><i>The loading/discharge of empty containers to/from a vessel without specifying equipment identifiers (numbers) is not supported in valenciaportpcs.net implementation guide of the COPRAR message. This kind of operations will be requested to the terminal by other established mechanisms.</i></p> <p><i>Please take into account the special considerations of the message for the transhipment operations within the same terminal as they are very important for the appropriate organisation of the container yard.</i></p>	
Notes	<p>Sample segment : EQD+CN+ CNCN3020555+2200 ++6+8'</p>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	8053		EQUIPMENT TYPE CODE QUALIFIER	M	1	an..3
O	C237		EQUIPMENT IDENTIFICATION	C	1	
R	8260		Equipment identifier	C		an..17
			<i>Marks (letters/numbers) identifying equipment. To be transmitted as they appear on the equipment.</i> Nor spaces nor symbols (i.e. "-") are allowed.			
X	1131		Code list identification code	G		an..17
X	3055		Code list responsible agency code	G		an..3
X	3207		Country name code	G		an..3
R	C224		EQUIPMENT SIZE AND TYPE	C	1	
R	8155		Equipment size and type description code	C		an..10
			<i>Equipment size/type code as per ISO6346 (.1 or .2, .2 preferred)</i> This element is always mandatory.			
O	1131		Code list identification code	G		an..17
O	102		Size and type			
O	3055		Code list responsible agency code	G		an..3
O	5		ISO (International Organization for Standardization)			
O	8154		Equipment size and type description	C		an..35
O			<i>Equipment size/type (free text)</i>			
O	8077		EQUIPMENT SUPPLIER CODE	G	1	an..3

			1	<i>Shipper supplied</i>
			2	<i>Carrier supplied</i>
			5	<i>Third party supplied</i>
O	8249	EQUIPMENT STATUS CODE	C	1 an..3
		2		Export This code is used when the container is going to be loaded for an export operation. It is the most habitual status for containers loaded on a vessel (transport loading instruction).
		3		Import This code is used when the container is going to be discharged for an import operation. It is the most habitual status for containers discharged on a vessel (transport discharge instruction).
		6		Transhipment This code shall be included if the container is going to be discharged/loaded for a transhipment operation which will take place on the same terminal. The use of this code is very important for the appropriate organisation of the terminal operations and container yard. If the container is going to be transhipped in the same terminal and the message is a Transport Discharge Instruction (code 119 in element 1001 of BGM segment) then Segment Group 10: TDT-DTM-RFF-SG11 should be used to give the details of the subsequent maritime on-carriage transport where the container will be loaded.
		61		Transhipment in other terminal This code has been added to this guide and it is not a standard SMDG code. It will be used to indicate that the container is going to be discharged/loaded for a transhipment operation but the subsequent/previous load/discharge operation will be/was performed in other container terminal. In this case it is not required to give the details of the subsequent maritime on-carriage transport in the Transport Discharge Instruction.
		62		Shuttle Transhipment This code shall be included if the container is going to be discharged/loaded for a shuttle transhipment operation. If the message is a Transport Discharge Instruction (code 118 in element 1001 of BGM segment) then Segment Group 10: TDT-DTM-RFF-SG11 should be used to give the details of the subsequent maritime on-carriage transport where the container will be loaded
		9		Domestic Loaded container for export type operation in which the goods have a destination and Community status. This type of operation is valid only when the operator is authorized operator T2L sea in order to simplify the customs export control by the fiscal security. For this type of operation indicated is necessary to indicate the approval number of the operator in the Reference element within the same group.
R	8169	FULL OR EMPTY INDICATOR CODE	C	1 an..3
		4		<i>Empty</i>
		7		<i>LCL, Less than Container Load</i>
		8		<i>FCL, Full Container Load</i>
		5		<i>Full</i>
		Z		<i>Full with other container</i>

Container Terminals can only use 4 and 5 codes for Empty and Full containers respectively.

23 // Segment RFF

Segment	RFF	Reference
Position	0220	
Group	Segment Group 6 (Equipment Details)	Mandatory
Level	2	
Usage	Conditional (Optional)	
Max Use	2	
Purpose	A segment identifying a reference number which relates to the equipment specified in the preceding EQD segment, such as: - container sequence number - booking number	
Comments		
Notes	Sample segment : <i>RFF+BN: VLC4C280015A'</i>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	C506		REFERENCE	M	1	
M		1153	Reference code qualifier	M		an..3
			<i>BL</i>	<i>Bill of lading number</i> The bill of lading number should be used in discharge operations (as it is already known)		
			<i>BN</i>	<i>Booking reference number</i> The booking number should be used in loading operations (as the bill of lading number may be not known at this moment)		
R		1154	Reference identifier	C		an..70
			<i>Reference number</i>			
X		1156	Document line identifier	G		an..6
X		4000	Reference version identifier	G		an..35
X		1060	Revision identifier	G		an..6

24 // Segment TMD

Segment TMD Transport Movement Details	
Position	0240
Group	Segment Group 6 (Equipment Details) Mandatory
Level	2
Usage	Conditional (Optional) This segment is not used in the transaction
Max Use	1
Purpose	A segment to indicate details of the equipment transport movement
Comments	
Notes	<i>Sample segment : TMD+33'</i>

Data Element Summary

Attributes	Data Element	Component Element	Name			
R	C219		MOVEMENT TYPE	C	1	
R		8335	Movement type description code	C	an..3	
		11	FCL/FCL = House/House = H/H			
		12	= House/Terminal = H/T			
		13	FCL/LCL = House/Pier = H/P			
		31	LCL/FCL = Pier/House = P/H			
		21	= Terminal/House = T/H			
		22	= Terminal /Terminal = T/T			
		23	= Terminal /Pier = T/P			
		32	= Pier / Terminal = P/T			
		33	LCL/LCL = Pier/Pier = P/P			
X		8334	Movement type description	C	an..35	
X		8332	EQUIPMENT PLAN DESCRIPTION	C	1 an..26	
O		8344	HAULAGE ARRANGEMENTS CODE	C	1 an..3	
		1	Carrier			
		2	Merchant			

25 // Segment DTM

Segment	DTM	Date/Time/Period
Position	0250	
Group	Segment Group 6 (Equipment Details)	Mandatory
Level	2	
Usage	Conditional (Required)	
Max Use	1	
Purpose	A segment to indicate a date and/or time applying to the whole message, such as Date and/or time of actual loading or discharge	
Comments	<i>Only one occurrence of this segment is used</i>	
Notes	Sample segment : <i>DTM+7: 200611141215:203'</i>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	C507		DATE/TIME/PERIOD	M	1	
M		2005	Date or time or period function code qualifier	M		an..3
		7	<i>Effective date/time</i>			
R		2380	Date or time or period value	C		an..35
			<i>Date/time that the container was charge or discharge</i>			
R		2379	Date or time or period format code	C		an..3
		203	<i>CCYYMMDDHHMM</i>			

26 // Segment Group 7: LOC-DTM

Group	Segment Group 7 (Equipment Details)	Mandatory
Level	2	
Usage	Optional	
Max Use	9	
Purpose	A group to identify a location or country related to the equipment.	
Comments		
Notes		

27 // Segment LOC

Segment	LOC Place/Location Identification																																		
Position	0270																																		
Group	Segment Group 7 (Equipment Details)	Mandatory																																	
Level	2																																		
Usage	Conditional (Required)																																		
Max Use	6																																		
Purpose	A segment to identify a location or country related to the equipment, such as: - (final) place/port of discharge - transhipment place - place of delivery																																		
Comments	<p><i>The use of the LOC segment is very important for the proper organisation of the operations and the container yard within the terminal.</i></p> <p><i>The rules of including the different port/places in the message are dependant of the type of message and of the status of the equipment. This rules are summarised in the following table:</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #ADD8E6; padding: 5px;">(Export)</td><td></td></tr> <tr> <td style="padding: 2px;">EQD/LOC 11</td><td>dischargePort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 7</td><td>destinationPort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 76</td><td>originLoadingPort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 68</td><td>secongDischargePort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 170</td><td>finalDischargePort</td></tr> <tr> <td style="background-color: #ADD8E6; padding: 5px;">(Import)</td><td></td></tr> <tr> <td style="padding: 2px;">EQD/LOC 9</td><td>loadingPort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 76</td><td>originLoadingPort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 7</td><td>destinationPort</td></tr> <tr> <td style="background-color: #ADD8E6; padding: 5px;">Import with shuttle thanshipment or transhipment in the same terminal</td><td></td></tr> <tr> <td style="padding: 2px;">EQD/LOC 9</td><td>loadingPort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 76</td><td>originLoadingPort</td></tr> <tr> <td style="padding: 2px;">EQD/LOC 7</td><td>destinationPort</td></tr> <tr> <td style="padding: 2px;">EQD/TDT/LOC 170</td><td>finalDischargePort</td></tr> <tr> <td style="padding: 2px;">EQD/TDT/LOC 11</td><td>dischargePort</td></tr> </table>			(Export)		EQD/LOC 11	dischargePort	EQD/LOC 7	destinationPort	EQD/LOC 76	originLoadingPort	EQD/LOC 68	secongDischargePort	EQD/LOC 170	finalDischargePort	(Import)		EQD/LOC 9	loadingPort	EQD/LOC 76	originLoadingPort	EQD/LOC 7	destinationPort	Import with shuttle thanshipment or transhipment in the same terminal		EQD/LOC 9	loadingPort	EQD/LOC 76	originLoadingPort	EQD/LOC 7	destinationPort	EQD/TDT/LOC 170	finalDischargePort	EQD/TDT/LOC 11	dischargePort
(Export)																																			
EQD/LOC 11	dischargePort																																		
EQD/LOC 7	destinationPort																																		
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EQD/LOC 68	secongDischargePort																																		
EQD/LOC 170	finalDischargePort																																		
(Import)																																			
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Import with shuttle thanshipment or transhipment in the same terminal																																			
EQD/LOC 9	loadingPort																																		
EQD/LOC 76	originLoadingPort																																		
EQD/LOC 7	destinationPort																																		
EQD/TDT/LOC 170	finalDischargePort																																		
EQD/TDT/LOC 11	dischargePort																																		
Notes	<p><i>(*) For transhipment operations within the same terminal or Shuttle transhipments, in the transport discharge instruction, the next port of discharge in the subsequent maritime on-carriage transport shall be included in Segment Group 10: TDT-DTM-RFF-SG11. Optionally the final port of discharge may also be included.</i></p> <p>Sample segment (Loading) : LOC+76+ITLIV' LOC+11+ESBCN' LOC+68+FRBOD' LOC+170+FRBOD' LOC+7+FRAET'</p>																																		

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	3227		LOCATION FUNCTION CODE QUALIFIER	M	1	an..3
		7	Place of origin/delivery			

		This is the port/place where the container will be finally delivered. The place of delivery can be included in all circumstances except of transhipment operations in other terminal when the message refers to a Transport Discharge Instruction (code 119 in element 1001 of BGM segment).
	9	<i>Place/port of loading</i> This is the previous port where the container was loaded onto the vessel. This port can only be used when the message refers to a Transport Discharge Instruction (code 119 in element 1001 of BGM segment).
	11	<i>Place/port of discharge</i> This is the next port of discharge of the container. This port can only be used when the message refers to a Transport Loading Instruction (code 121 in element 1001 of BGM segment).
	76	<i>Original port of loading</i> This is the original port of loading of the container.
	68	<i>Second optional port of discharge</i> This is the second port of discharge of the container. This port shall only be used when the message refers to a Transport Loading Instruction (code 121 in element 1001 of BGM segment).
	170	<i>Final port of discharge</i> This is the final port of discharge of the container. This port shall only be used when the message refers to a Transport Loading Instruction (code 121 in element 1001 of BGM segment).
	147	<i>Stowage cell</i> "BBBRRRTT" (Bay/Row/Tier)
R	C517	LOCATION IDENTIFICATION
O	3225	Location name code
		UNLOCODE
O	1131	Code list identification code
	139	Port
O	3055	Code list responsible agency code
	5	ISO (International Organization for Standardization) Only to be used when c3227 = 147 (stowage cell)
	6	UN/ECE (United Nations – Economic Commission for Europe)
O	3224	Location name
		<i>Place/location name (free text)</i>
O	C519	RELATED LOCATION ONE IDENTIFICATION
O	3223	First related location name code
		1st related location code
O	1131	Code list identification code
	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
	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	G		an..70
			1st related location name (free text)			
O	C553		RELATED LOCATION TWO IDENTIFICATION	G	1	
O		3233	Second related location name code	G		an..25
			2nd related location code			
O		1131	Code list identification code	G		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	G		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	G		an..70
			2nd related location name (free text)			
X	5479		RELATION CODE	G	1	an..3

28 // Segment MEA

Segment MEA Measurements	
Position	0290
Group	Segment Group 6 (Equipment Details) Mandatory
Level	2
Usage	Conditional (Optional)
Max Use	1
Purpose	A segment specifying a physical measurement related to the equipment, such as: - gross weight
Comments	<p><i>This segment is used only to indicate the gross weight of the container (including its tare weight). Use the attribute code G to indicate a gross weight.</i></p> <p><i>Use the attribute code VGM to indicate a verified gross mass.</i></p> <p><i>In case of receiving the attribute G and the attribute VGM in the same message, the G attribute will be ignored.</i></p> <p><i>The attribute VGM is only valid in loading confirmation lists, it will be ignored in other cases.</i></p>
Notes	Sample segment : MEA+AAE+G+KGM:28000'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	6311		MEASUREMENT PURPOSE CODE QUALIFIER	M	1	an..3
		AAE	<i>Measurement</i>			
R	C502		MEASUREMENT DETAILS	M	1	
R		6313	Measured attribute code	M		an..3
		G	<i>Gross weight</i> The gross weight of the container includes its tare weight.			
		VGM	<i>Verified Gross Mass</i> The gross weight of the container includes its tare weight.			
X		6321	Measurement significance code	G		an..3
X		6155	Non-discrete measurement name code	G		an..17
X		6154	Non-discrete measurement name	G		an..70
R	C174		VALUE/RANGE	M	1	
M		6411	Measurement unit code	M		an..3
		KGM	<i>Kilograms</i>			
R		6314	Measurement value	M		an..18
			<i>Weight, volume or percentage.</i>			
X		6162	Range minimum value	G		n..18
X		6152	Range maximum value	G		n..18
X		6432	Significant digits quantity	G		n..2
X	7383		SURFACE OR LAYER CODE	G	1	an..3

29 // Segment DIM

Segment DIM Dimensions	
Position	0300
Group	Segment Group 6 (Equipment Details) Mandatory
Level	2
Usage	Conditional (Optional)
Max Use	5
Purpose	A segment specifying physical dimensions related to the equipment, such as: - off standard dimension left - off standard dimension right - off standard dimension back - off standard dimension front
Comments	
Notes	Sample segment : <i>DIM+13+CMT:::23'</i>

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	6145		DIMENSION TYPE CODE QUALIFIER	M	1	an..3
			5		<i>Off-standard dimension front</i>	
			6		<i>Off-standard dimension back</i>	
			7		<i>Off-standard dimension right</i>	
			8		<i>Off-standard dimension left</i>	
			13		<i>Off-standard dimensions height</i>	
M	C211		DIMENSIONS	M	1	
M		6411	Measurement unit code	M		an..3
			CMT		<i>Centimetres (default value)</i>	
			INH		<i>Inches</i>	
D		6168	Length dimension value	C		n..15
			<i>Overlength if e6145 = 5 or 6</i>			
D		6140	Width dimension value	C		n..15
			<i>Overwidth if e6145 = 7 or 8</i>			
D		6008	Height dimension value	C		n..15
			<i>Overheight if e6145 = 13</i>			

30 // Segment Group 8: TMP-RNG

Group	Segment Group 8 (Temperature)	Conditional (Optional)
Level	2	
Usage	Optional	
Max Use	1	
Purpose		
Comments	This segment is mandatory when a temperature or temperature range is to be indicated in the container as it is the identifier of Segment Group 8. If a temperature range is to be specified in segment RNG then the Temperature Setting (composite element C239) of this element can be omitted. If both TMP and RNG segments contains temperature values then the values indicated in RNG segment will prevail.	
Notes		

31// Segment TMP

Segment	TMP Temperature
Position	0320 (Trigger Segment)
Group	Segment Group 8 (Temperature) Conditional (Optional)
Level	3
Usage	Mandatory
Max Use	1
Purpose	A segment which identifies the transport temperature setting of the container.
Comments	<i>This segment is mandatory when a temperature or temperature range is to be indicated in the container as it is the identifier of Segment Group 8. If a temperature range is to be specified in segment RNG then the Temperature Setting (composite element C239) of this element can be omitted. If both TMP and RNG segments contains temperature values then the values indicated in RNG segment will prevail.</i>
Notes	<p>Sample segment : TMP+2+048:FAH'</p> <p>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.</p>

Data Element Summary

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

32 // Segment RNG

Segment	RNG	Range Details
Position	0330	
Group	Segment Group 8 (Temperature)	Conditional (Optional)
Level	3	
Usage	Conditional (Optional)	
Max Use	1	
Purpose	A segment to specify the transport temperature range setting of the container.	
Comments		
Notes	<p><i>Sample segment :</i> <i>RNG+5+FAH:046:050'</i> <i>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.</i></p>	

Data Element Summary

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

33 // Segment SEL

Segment	SEL	Seal Number
Position	0340	
Group	Segment Group 6 (Equipment Details)	Mandatory
Level	2	
Usage	Conditional (Optional)	
Max Use	9	
Purpose	A segment identifying a seal number related to the equipment.	
Comments		
Notes	Sample segment : SEL+NL5694359'	

Data Element Summary

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

34 // Segment FTX

Segment	FTX Free Text
Position	0350
Group	Segment Group 6 (Equipment Details) Mandatory
Level	2
Usage	Conditional (Optional)
Max Use	3
Purpose	A segment to specify supplementary information related to the equipment, such as: - blockade reason - government inspection service - container loading remarks - container remarks - container order information - additional remarks concerning the container - container safety convention plate - continuous examination program (ACEP)
Comments	<p>This segment is used for three optional functions:</p> <ul style="list-style-type: none"> The first function (Text Subject Code Qualifier equal to AAI) is used to include additional remarks/instruction for the particular container load/discharge operation. The remarks in free text form will be supplied in element 4440 and element 4441 will not be used. The second function (Text Subject Code Qualifier equal to ACF) is used to indicate additional attribute information concerning the container (in this case if the container is reinforced). In this case element 4441 will be used with the value REINFORCED to indicate such characteristic. It is strongly recommended to indicate the reinforced container attribute to avoid mistakes when these types of containers are requested to be released from the terminal. In this function element 4440 will not be used. The third function (Text Subject Code Qualifier equal to HAN) is used to indicate stowing instructions, coded in element 4441. In this function element 4440 will not be used.
Notes	<p>Sample segment : FTX+AAI+++FLOWERBULBS' FTX+ACF++REINFORCED'</p>

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	4451		TEXT SUBJECT CODE QUALIFIER	M	1	an..3
		AAI	<p><i>General information</i> This function is used to provide additional information (general observations) in free text form in element 4440.</p>			
		ACF	<p><i>Additional attribute information</i> This function is used to indicate that the container is reinforced in element 4441. It is strongly recommended to indicate the reinforced container attribute to avoid mistakes when these types of containers are requested to be released from the terminal.</p>			
		HAN	<p><i>Stowing instructions</i> This function is used to provide additional information about instructions of stowing. Three codes are possible, described in 4441 element.</p>			
X	4453		FREE TEXT FUNCTION CODE	C	1	an..3
D	C107		TEXT REFERENCE	C	1	
M		4441	<p>Free text value code if e4451=ACF : REINFORCED if e4451=HAN: UD: Under Deck OD: On Deck AB: Away from Boilers</p>	M		an..17

			<i>BD: Bundle</i> <i>DM: Damaged</i> <i>DR: Reefer Dry Used</i> <i>TS: Top Stowage</i> <i>OG: Out of Gauge</i> <i>UP: Marble UP(Under deck protected) by general cargoes</i> <i>OF: On Deck For Flexitank</i> <i>SR: Special Reefer(Cold Treatment)</i> VP: VIP Cargo			
O		1131	Code list identification code	C	an..17	
		130	<i>Special handling</i>			
			If e4451 = INV			
		ZZZ	<i>Mutually defined</i>			
			If e4451 = ACF, DAR or ABS			
O		3055	Code list responsible agency code	C	an..3	
		5	<i>ISO (International Organization for Standardization)</i>			
			If e4451 = ACF			
		184	<i>AU, ACOS (Australian Chamber of Shipping)</i>			
			If e4451 = INV, DAR or ABS			
D	C108		TEXT LITERAL	C	1	
M		4440	Free text value	M	an..512	
			General information (if e4451 = AAI) : <i>Free text</i>			
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	

35 // Segment Group 9: DGS

Group	Segment Group 9 (Dangerous Goods)	Conditional (Optional)
Level	2	
Usage	Optional	
Max Use	99	
Purpose	Dangerous Goods	
Comments		
Notes		

36 // Segment DGS

Segment	DGS Dangerous Goods
Position	0380 (Trigger Segment)
Group	Segment Group 9 (Dangerous Goods) Conditional (Optional)
Level	2
Usage	Mandatory
Max Use	99
Purpose	A segment to identify the UN-number and the class of the dangerous goods loaded in the container.
Comments	<i>This segment must be used to inform that the container contains dangerous goods. Only the IMDG class number is required as the details of the dangerous goods of the container shall be notified to the Port Authority and Terminals using a one-stop-shop procedure with the IFTDGN message.</i>
Notes	Sample segment : DGS+IMD+1.1A+2348'

Data Element Summary

Attributes	Data Element	Component Element	Name			
R	8273		DANGEROUS GOODS REGULATIONS CODE	C	1	an..3
			<i>IMD IMO IMDG code</i>			
R	C205		HAZARD CODE	M	1	
M		8351	Hazard identification code	M		an..7
			<i>IMDG class / sub-class number</i> <i>1.1c format</i>			
O	C234		UNDG INFORMATION	C	1	
R		7124	United Nations Dangerous Goods (UNDG) identifier	M		n4
			<i>UNDG number</i>			
O		8078	Additional hazard classification identifier	G		an..7
			<i>IMDG Code page number</i>			
O		8092	Hazard code version identifier	G		an..10
			<i>IMDG Code version number</i>			
O	C234		UNDG INFORMATION	G	1	
R		7124	United Nations Dangerous Goods (UNDG) identifier	G		n4
			<i>UNDG number</i>			
X		7088	Dangerous goods flashpoint value	G		an..8
O		C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	G	1	
R		7106	Shipment flashpoint value	G		n3
			<i>Flashpoint temperature</i>			
R		6411	Measurement unit code	G		an..3
			<i>CEL Celsius</i>			
			<i>FAH Fahrenheit</i>			
O		8339	PACKAGING DANGER LEVEL CODE	G	1	an..3
			<i>1 Great danger</i>			
			<i>2 Packing Group I</i>			
			<i>3 Medium danger</i>			

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

37 // Segment FTX

Segment	FTX Free Text
Position	0390
Group	Segment Group 9 (Dangerous Goods) Conditional (Optional)
Level	3
Usage	Conditional (Optional) This segment is not used in the transaction.
Max Use	9
Purpose	A segment to give additional information regarding dangerous goods, such as :- dangerous goods technical name.
Comments	
Notes	<p><i>Sample segment:</i></p> <p>FTX+AAC++PP'</p> <p>FTX+AAD+++BUTYL ACRYLATES, STABILIZED'</p>

Data Element Summary

Attributes	Data Element	Component Element	Name			
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	G	1	an..3
O	C107		TEXT REFERENCE	G	1	
M	4441		Free text-value code	M		an..17
			<i>MARPOL details or indication of transport of dangerous goods in limited quantities (if 4451 = AAC)</i>			
		P	Marine Pollutant			
		PP	Severe Marine Pollutant			
		TLQ	Transport of dangerous goods in limited quantities			
X	1134		Code list identification code	G		an..17
X	3055		Code list responsible agency code	G		an..3
O	C108		TEXT LITERAL	G	1	
M	4440		Free text value	M		an..512
			<i>Dangerous goods technical name (if e4451 = AAD) Exterior placard label (if e4451 = AAC)</i>			
O	4440		Free text-value	G		an..512
O	4440		Free text-value	G		an..512
O	4440		Free text-value	G		an..512
O	4440		Free text-value	G		an..512
X	3453		LANGUAGE NAME CODE	G	1	an..3
X	4447		FREE TEXT FORMAT CODE	G	1	an..3

38 // Segment EQA

Segment	EQA Attached Equipment	
Position	0440	
Group	Segment Group 6 (Equipment Details)	Mandatory
Level	2	
Usage	Conditional (Optional) This segment is not used in the transaction.	
Max Use	9	
Purpose	A segment to identify clip-on units, such as: - generator sets	
Comments		
Notes	<i>Sample segment : EQA+CN+MAEG110892'</i>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
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

39 // Segment HAN

Segment	HAN Handling Instructions	
Position	0470	
Group	Segment Group 6 (Equipment Details)	Mandatory
Level	2	
Usage	Conditional (Optional) This segment is not used in the transaction.	
Max Use	9	
Purpose	A segment to specify handling instructions related to the container equipment.	
Comments		
Notes	<i>Sample segment : HAN+RFR:130:184'</i>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
R	C524		HANDLING INSTRUCTIONS	G	1	
O		4079	Handling instruction description code	G		an..3
			Code as per JM4/ITIGG/120			
O		1134	Code list identification code	G		an..17
			130 Special handling			
O		3055	Code list responsible agency code	G		an..3
			184 AU, ACOS (Australian Chamber of Shipping)			
O		4078	Handling instruction description	G		an..70
			Handling instruction (free text)			
X	C218		HAZARDOUS MATERIAL	G	1	
X		7419	Hazardous material category name code	G		an..4
X		1134	Code list identification code	G		an..17
X		3055	Code list responsible agency code	G		an..3
X		7418	Hazardous material category name	G		an..35

40 // Segment Group 11: DAM

Group	Segment Group 11 (Damage)	Conditional (Optional)
Level	2	
Usage	Optional	
Max Use	9	
Purpose	A segment to specify equipment damages, such as the point of the damage on the equipment, and the type of damage.	
Comments		
Notes		

41 // Segment DAM

Segment	DAM Damage
Position	0490 (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	<i>Sample segment : DAM+1+:::REMOVE AND REFIT'</i>

Data Element Summary

Attributes	Data Element	Component Element	Name			
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	G		an..17
X		3055	Code list responsible agency code	G		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	G		an..17
X		3055	Code list responsible agency code	G		an..3
O		7502	Damage area description	C		an..35
			Damage area (free text)			
O	C825		DAMAGE SEVERITY	G	4	
R		7509	Damage severity description code	G		an..3
			Code as per ISO 9897, Annex G.3			
X		1131	Code list identification code	G		an..17
X		3055	Code list responsible agency code	G		an..3
O		7508	Damage severity description	G		an..35
			Damage severity (free text)			
O	C826		ACTION	G	4	
R		1229	Action request/notification description code	G		an..3
			Code as per ISO 9897, Annex F			
X		1131	Code list identification code	G		an..17
X		3055	Code list responsible agency code	G		an..3
O		1228	Action request/notification description	G		an..35
			Action requested or taken (free text)			

42 // Segment COD

Segment	COD Component Details
Position	0500
Group	Segment Group 11 (Damage) Conditional (Optional)
Level	4
Usage	Conditional (Optional) This segment is not used in the transaction
Max Use	1
Purpose	A segment to specify component details of the damaged equipment.
Comments	
Notes	<i>Sample segment: COD+</i>

Data Element Summary

Attributes	Data Element	Component Element	Name			
O	C823		TYPE OF UNIT/COMPONENT	C	1	
R		7505	Unit or component type description code <i>Code as per ISO 9897, Annex K & L</i>	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 <i>Type of unit/component (free text)</i>	C		an..35
O	C824		COMPONENT MATERIAL	C	1	
R		7507	Component material description code <i>Code as per ISO 9897, Annex E</i>	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 <i>Component material (free text)</i>	C		an..35

43 // Segment Group 12: TDT-LOC-DTM

Group	Segment Group 12 (Details of Transport)	Conditional (Optional)
Level	2	
Usage	Conditional	
Max Use	1	
Purpose		
Comments	The Segment Group 12: TDT-LOC-DTM can be included in Transhipment operations within the same terminal (code 6 in element 8249 of EQD segment) when the message refers to a Transport Discharge Instruction (code 119 in element 1001 of BGM Segment). This segment group will contain the details of the subsequent maritime on-carriage transport.	
Notes		

44 // Segment TDT

Segment	TDT Details of Transport
Position	0520 (Trigger Segment)
Group	Segment Group 12 (Details of Transport) Conditional (Optional)
Level	3
Usage	Mandatory
Max Use	1
Purpose	A segment identifying the pre-carriage or on-carriage transport details by which the container will arrive before being loaded or by which the container will depart after being discharged.
Comments	<p><i>The Segment Group 12: TDT-LOC-DTM can be included in Transhipment operations within the same terminal (code 6 in element 8249 of EQD segment) when the message refers to a Transport Discharge Instruction (code 119 in element 1001 of BGM Segment). This segment group will contain the details of the subsequent maritime on-carriage transport.</i></p> <p><i>It is possible to include the TDT segment in Continental or Import operations (codes 1 or 3 in element 8249 of EDQ) when the message refers to a Transport Discharge Instruction (code 119 in element 1001 of BGM Segment). This segment will only be used to indicate if the inland transport will be executed by road or by train.</i></p> <p><i>When the message refers to a Transport Loading Instruction (code 122 in element 1001 of BGM Segment), this segment group will contain the details of the pre-carriage transport.</i></p> <p><i>It is possible to include the TDT segment in Export or Transhipment operations (codes 2 or 9 in element 8249 of EDQ) of Full containers (code 5 in element 8169 of EQD) when the message refers to a Transport Charge Instruction (code 122 in element 1001 of BGM Segment) to notify customs . For this qualifier earlier stage of transport (code 10 in element 8051 of TDT) should be used as a mode of transport and the corresponding interest, road or rail (code 2 or 3 in element 8067 of TDT). In this case it may indicate the date of the container terminal for later shipment (code 121 in element 2005 of DTM).</i></p>
Notes	Sample segment : TDT+30++1++++8212661:146::SL PRIDE'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	8051		TRANSPORT STAGE CODE QUALIFIER	M	1	an..3
			1	<i>Inland transport</i> To be used in Transport Discharge Instructions (code 119 in element 1001 of BGM segment) when the equipment status is Continental or Import (codes 1 or 3 in element 8249 of EQD segment). When it is used this qualifier the Transport Mode Name Codes (element 8067 of this segment) that can be used are 2 (Rail) or 3 (Road) exclusively.		
			30	<i>On-carriage transport</i> This qualifier shall be used in Transport Discharge Instructions (code 119 in element 1001 of BGM segment) when the equipment status is Transhipment in the same terminal (code 6 in element 8249 of EQD) When it is used this qualifier the Transport Mode Name Codes (element 8067 of this segment) that can be used are 1		
			10	<i>Pre-carriage transport</i>		

				This qualifier shall be used in Transport Loading Instructions (code 122 in element 1001 of BGM segment)						
O	8028		MEANS OF TRANSPORT JOURNEY IDENTIFIER		C	1	an..17			
			<i>Carrier's voyage number</i>							
R	C220		MODE OF TRANSPORT		C	1				
R		8067	Transport mode name code		M		an..3			
			1	<i>Maritime Transport</i> To be used if the transport stage qualifier is On-carriage transport (code 30 in element 8051 of this segment).						
			2	<i>Rail</i> To be used if the transport stage qualifier is Inland transport (code 1 in element 8051 of this segment).						
			3	<i>Road</i> To be used if the transport stage qualifier is Inland transport (code 1 in element 8051 of this segment).						
O	C228		TRANSPORT MEANS		G	1				
O		8179	Transport means description code		G		an..8			
			<i>Means of transport code (UN/ECE recommendation 28)</i>							
O		8178	Transport means description		G		an..17			
			<i>Type of means of transport (free text)</i>							
O	C040		CARRIER		C	1				
O		3127	Carrier identifier		C		an..17			
			<i>Carrier code</i> This code qualifier is used to inform about the shipping line service of the vessel where the container will be loaded in a transhipment operation when the message refers to a Transport Discharge Instruction (code 119 of element 1001 in BGM segment) and the equipment status is Transhipment within the same terminal (code 6 in element 8249 of EQD segment). When the message refers to a Transport Loading Instruction (code 122 in element 1001 of BGM Segment), it is used to inform about the carrier							
O		3128	Carrier name		C		an..35			
			<i>Carrier name (Loading) or shipping line service name (Discharge) (free text)</i>							
X		8066	Transport mode name		G		an..17			
X	8101		TRANSIT DIRECTION INDICATOR CODE		G	1	an..3			
X	C401		EXCESS TRANSPORTATION INFORMATION		G	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		G		an..17			
O	C222		TRANSPORT IDENTIFICATION		C	1				
O		8213	Transport means identification name identifier		C		an..9			
			This element will be used if the transport stage qualifier is On-carriage transport (code 30 in element 8051 of this segment) to indicate the vessel identifier where the container will be loaded in the transhipment operation. <i>Lloyd's Number (if e8067 = 1 and C222/e1131 = 146)</i> If the transport stage qualifier is Pre-carriage transport (code 10 in element 8051 of this segment) this element will be used to indicate the number identifier to the transport.							
O		1131	Code list identification code		C		an..17			
			146	<i>Lloyd's number (IMO) (recommended)</i>						
			103	<i>Radio Call Sign</i>						
O		3055	Code list responsible agency code		G		an..3			
			11	<i>Lloyd's register of shipping</i>						
			ZZZ	<i>Mutually defined</i>						
O		8212	Transport means identification name		C		an..35			

			Vessel name or other means of transport name (free text) This element will be used if the transport stage qualifier is On-carriage transport (code 30 in element 8051 of this segment) to indicate the vessel name where the container will be loaded in the transhipment operation.
0		8453	Transport means nationality code C an..3
			Flag of means of transport (ISO country code)
X	8281		TRANSPORT MEANS OWNERSHIP C 1 an..3 INDICATOR CODE

45 // Segment LOC

Segment LOC Place/Location Identification	
Position	0530
Group	Segment Group 12 (Place/Location Identification) Conditional (Optional)
Level	3
Usage	Mandatory This segment is not used in the transaction.
Max Use	2
Purpose	A segment identifying locations related to the transport details, such as: - place of departure
Comments	<i>This segment will be used if the transport stage qualifier is On-carriage transport (code 30 in element 8051 of TDT segment within this group) to indicate the next port of discharge of the container after being loaded on the vessel referred in TDT segment of this group in the transhipment operation, or to indicate the origin port for a Transport Loading instruction.</i>
Notes	Sample segment : LOC+11+NRTM'

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	3227		LOCATION FUNCTION CODE QUALIFIER	M	1	an..3
			9	<i>Port of loading</i> To be optionally included when the message refers to a Transport Loading Instruction.		
			11	<i>Place/port of discharge</i> The next port of discharge of the container after being loaded on the vessel referred in TDT segment of this group in a transhipment operation within the same terminal. To be included when the message refers to a Transport Discharge Instruction.		
			170	<i>Final port of discharge</i> The final port of discharge of the container after being loaded on the vessel referred in TDT segment of this group in a transhipment operation within the same terminal or in a shuttle transhipment operation. To be optionally included when the message refers to a Transport Discharge Instruction.		
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	<i>Port</i>		
O		3055	Code list responsible agency code	C		an..3
			6	<i>UN/ECE (United Nations - Economic Commission for Europe)</i>		
O		3224	Location name	C		an..25
						6
			<i>Place/port name (free text)</i>			

46 // Segment DTM

Segment	DTM	Date/Time/Period
Position	0540	
Group	Segment Group 12 (Details of Transport)	Conditional (Optional)
Level	3	
Usage	Conditional (Optional)	
Max Use	1	
Purpose	A segment to indicate a expected date and/or time of container cargo train unloading operations with later land transport by rail or to indicate the entry date of the container in the terminal in loading operations when is export or community traffic of full containers.	
Comments	<i>Only one occurrence of this segment is used.</i>	
Notes	Sample segment : <i>DTM+133:20061114:102'</i>	

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	C507		DATE/TIME/PERIOD	M	1	
M		2005	Date or time or period function code qualifier	M		an..3
		133	<i>Document/message date/time</i>			
		121	<i>Real entry date of the container in the terminal</i>			
R		2380	Date or time or period value	C		an..35
			<i>Date/time that the message was prepared.</i>			
R		2379	Date or time or period format code	C		an..3
		102	<i>CCYYMMDD</i>			

47 // Segment NAD

Segment	NAD Name and Address
Position	0550
Group	Segment Group 6 (Equipment Details) Mandatory
Level	2
Usage	Conditional (Optional)
Max Use	3
Purpose	A segment to specify a related address or party, such as: - container operator
Comments	<p><i>This segment shall be used to indicate the Shipping Line (party function code qualifier equal to CA) that is responsible for the transport of the container (which may differ from the Shipping Line/ship-owner which is operating the vessel). It may also be used to indicate the carrier's agent of this Shipping Line (party function code qualifier equal to CG) and the Shipping Line Service of the vessel in a transhipment operation (party function code qualifier equal to SLS).</i></p> <p><i>CA must be implemented in this level or in group 4.</i></p> <p><i>Container Terminals can use their own codes for identifying container lines and involved parties. They will be translated by valenciaportpcs.net</i></p>
Notes	<p>Sample segment :</p> <p>NAD+CG+CCCC+CARRIERS AGENT'</p> <p>NAD+CA+MRLL'</p>

Data Element Summary

Attributes	Data Element	Component Element	Name			
M	3035		PARTY FUNCTION CODE QUALIFIER	M	1	an..3
		CA	<i>Carrier</i> To be used to indicate the Shipping Line that is responsible for the transport of the container (which may differ from the Shipping Line/ship-owner which is operating the vessel).			
		CG	<i>Carrier's agent</i> To be used to indicate the carrier's agent of the Shipping Line that is responsible for the transport of the container (which may differ from the Shipping Line/ship-owner which is operating the vessel).			
		SLS	<i>Shipping Line Service</i> Regular service of the vessel where the container will be loaded in a transhipment operation. This occurrence is only necessary when the message refers to a Transport Discharge Instruction (code 118 of element 1001 in BGM segment) and the equipment status is Transhipment within the same terminal or Shuttle Transhipment (codes 6 and 62 in element 8249 of EQD segment). Optional.			
O	C082		PARTY IDENTIFICATION DETAILS	C	1	
M	3039		Party identifier	M		an..35
			<i>Company code</i> Codes agreed among valenciaportpcs.net system will be used.			
O	1131		Code list identification code	C		an..17
		160	<i>Party identification</i>			
		172	<i>Carriers</i>			
O	3055		Code list responsible agency code	C		an..3
		7	<i>CEFIC (Conseil Européen des Fédérations de l'Industrie</i>			

			<i>Chimique)</i>			
	9		<i>EAN (International Article Numbering association)</i>			
	10		<i>ODETTE</i>			
	16		<i>US, D&B (Dun & Bradstreet Corporation)</i>			
	20		<i>BIC (Bureau International des Conteneurs)</i>			
	87		<i>Assigned by carrier</i>			
	163		<i>US, FMC (Federal Maritime Commission)</i>			
	166		<i>US, National Motor Freight Classification Association</i>			
	184		<i>AU, ACOS (Australian Chamber of Shipping)</i>			
	SMD		<i>SMDG (Shipplanning Message Development Group)</i>			
			<i>Temporary code</i>			
O	C058		NAME AND ADDRESS	C	1	
			<i>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.</i>			
M		3124	Name and address description	M		an..35
O		3124	Name and address description	C		an..35
O		3124	Name and address description	G		an..35
O		3124	Name and address description	G		an..35
O		3124	Name and address description	G		an..35
X	C080		PARTY NAME	G	4	
X		3036	Party name	M		an..35
X		3036	Party name	G		an..35
X		3036	Party name	G		an..35
X		3036	Party name	G		an..35
X		3036	Party name	G		an..35
X		3036	Party name	G		an..35
X		3045	Party name format code	G		an..3
X	C059		STREET	G	4	
X		3042	Street and number or post office box identifier	M		an..35
X		3042	Street and number or post office box identifier	G		an..35
X		3042	Street and number or post office box identifier	G		an..35
X		3042	Street and number or post office box identifier	G		an..35
X	3164		CITY NAME	G	1	an..35
X	C819		COUNTRY SUB-ENTITY DETAILS	G	1	
X		3229	Country sub-entity name code	G		an..9
X		1131	Code list identification code	G		an..17
X		3055	Code list responsible agency code	G		an..3
X		3228	Country sub-entity name	G		an..35
X	3251		POSTAL IDENTIFICATION CODE	G	1	an..17
X	3207		COUNTRY NAME CODE	G	1	an..3

48 // Segment CNT

Segment	CNT Control Total
Position	0560
Group	
Level	0
Usage	Conditional (Optional)
Max Use	1
Purpose	A segment to specify the number of containers in the message, explicitly given by the sender.
Comments	
Notes	<p><i>Sample segment :</i></p> <p>CNT+1:1'</p> <p>CNT+16:25'</p>

Data Element Summary

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

49 // Segment UNT

Segment	UNT Message Trailer
Position	0570
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	<i>Sample segment : UNT+32+ VPPP6200310230'</i>

Data Element Summary

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

50 // Sample

```
UNB+UNOA:2+MSCTV+VALENCIAPORT+061018:2025+1160126782108'
UNH+1160126782083+COARRI:D:95B:UN:ITG12'
BGM+98+01308856000001+9'
TDT+20+21A+1+13+MSC:172:20+++HPAU:103::MJKJHDSFA'
LOC+11+ESVLC:139:6+MSSSS:TER:ZZZ'
DTM+132:200610170000:203'
DTM+133:200610180000:203'
NAD+CF+MSS:172:20'
EQD+CN+CCCC2394379+22G1:102:5++3+4'
DTM+203:200610170836:203'
LOC+9+USORF:139:6'
LOC+147+0171286::6'
MEA+AAE+G+KGM:2000'
MEA+AAE+T+KGM:2380'
FTX+DAR++OK:ZZZ:184'
TDT+30++LM'
LOC+7+ESVLC:139:6'
EQD+CN+XXXX6189561+2210:102:5++3+4'
DTM+203:200610170856:203'
LOC+9+USORF:139:6'
LOC+147+0171086::6'
MEA+AAE+G+KGM:2000'
MEA+AAE+T+KGM:2000'
FTX+DAR++OK:ZZZ:184'
EQD+CN+XXXX2111250+2210:102:5++3+4'
DTM+203:200610171152:203'
LOC+9+USORF:139:6'
LOC+147+0170886::6'
MEA+AAE+G+KGM:2000'
MEA+AAE+T+KGM:2000'
FTX+DAR++OK:ZZZ:184'
TDT+30++LM'
LOC+7+ESVLC:139:6'
EQD+CN+XXXX2492284+2210:102:5++3+4'
DTM+203:200610171155:203'
LOC+9+USORF:139:6'
MEA+AAE+G+KGM:2000'
MEA+AAE+T+KGM:2000'
FTX+DAR++OK:ZZZ:184'
TDT+30++LM'
LOC+7+ESVLC:139:6'
EQD+CN+XXXX1641685+22G1:102:5++3+4'
DTM+203:200610171152:203'
LOC+9+USORF:139:6'
LOC+147+0191286::6'
MEA+AAE+G+KGM:2000'
MEA+AAE+T+KGM:2380'
FTX+DAR++NC:ZZZ:184'
TDT+30++LM'
LOC+7+ESVLC:139:6'
EQD+CN+XXXX6986610+2210:102:5++3+4'
DTM+203:200610171305:203'
LOC+9+USORF:139:6'
MEA+AAE+G+KGM:2000'
MEA+AAE+T+KGM:2000'
FTX+DAR++OK:ZZZ:184'
TDT+30++LM'
```

```
LOC+7+ESVLC:139:6'  
EQD+CN+XXXX6537620+2210:102:5++3+4'  
DTM+203:200610170856:203'  
LOC+9+USORF:139:6'  
LOC+147+0191086::6'  
MEA+AAE+G+KGM:2000'  
MEA+AAE+T+KGM:2000'  
FTX+DAR++OK:ZZZ:184'  
TDT+30++LM'  
LOC+7+ESVLC:139:6'  
EQD+CN+XXXX3653136+22G1:102:5++3+4'  
DTM+203:200610171155:203'  
LOC+9+USORF:139:6'  
LOC+147+0190886::6'  
MEA+AAE+G+KGM:2000'  
MEA+AAE+T+KGM:2380'  
FTX+DAR++OK:ZZZ:184'  
TDT+30++LM'  
LOC+7+ESVLC:139:6'  
EQD+CN+XXXX3529231+22G1:102:5++3+4'  
DTM+203:200610171310:203'  
LOC+9+USORF:139:6'  
LOC+147+0170286::6'  
MEA+AAE+G+KGM:2000'  
MEA+AAE+T+KGM:2380'  
FTX+DAR++OK:ZZZ:184'  
TDT+30++LM'  
LOC+7+ESVLC:139:6'  
EQD+CN+XXXX1007710+22G1:102:5++3+4'  
DTM+203:200610171222:203'  
LOC+9+USORF:139:6'  
LOC+147+0190686::6'  
MEA+AAE+G+KGM:2000'  
MEA+AAE+T+KGM:2380'  
FTX+DAR++OK:ZZZ:184'  
TDT+30++LM'  
LOC+7+ESVLC:139:6'  
DTM+203:200610170856:203'  
CNT+16:121'  
UNT+1093+1160126782083'  
UNZ+1+1160126782108'
```



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P o r t C o m m u n i t y S y s t e m

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