



**INTERNATIONAL REFERENCE GUIDELINE  
FOR THE  
IMPLEMENTATION OF  
TRANSPORT EDI MESSAGES**

**COSTOR**

**CONTAINER STUFFING/STRIPPING ORDER MESSAGE**

**GUIDELINE FOR THE UN/EDIFACT  
D95B COSTOR MESSAGE**

**DOCUMENT REFERENCE : JM4/ITIGG/96.110/v.1**

Authorised and Issued by the International Transport Implementation  
Guidelines Group (ITIGG) - a Sub-Group of the UN/EDIFACT JRT Joint  
Message Development Group 4 (Transport).

**VERSION 1.0 - September 1996**

**GENERAL INTRODUCTION**

**SCOPE OF THIS DOCUMENT**

This document has been developed by the International Transport Implementation Guidelines Group (ITIGG) and covers maritime-related electronic data interchange (EDI). Specifically it provides guidance as to the recommended usage of codes, qualifiers, data elements, composites, segments and groups of segments in the D95B COSTOR message.

This document has been developed as part of a set of reference guidelines for the following maritime-related container messages:

CODENO	Container Permit Expiration/Clearance Ready Notice
COEDOR	Container Stock Report
COHAOR	Container Special Handling Order
COREOR	Container Release Order
COPINO	Container Pre-Notification
COPARN	Container Announcement
CODECO	Container Gate-in/Gate-out Report
CALINF	Call Information
VESDEP	Vessel Departure
COARRI	Container Discharge/Loading Report
COPRAR	Container Discharge/Loading Order
COSTCO	Container Stuffing/Stripping Confirmation
COSTOR	Container Stuffing/Stripping Order

The intention is to provide guidance to developers to ensure consistent use throughout the worldwide trade and transport community.

By establishing this consistency, trade and transport organisations and their supporting software developers and value-added network suppliers can develop products and services incorporating EDI messages which will be interchangeable and readable by other like services throughout the world.

## DOCUMENT REFERENCE

The number of this document is JM4/ITIGG/96.110./v.1 which refers to version 1 of document number 110 issued in 1996 by UN/EDIFACT Joint Message Development Group 4 (Transport), through its International Transport Implementation Guidelines Sub-Group.

## RELATED DOCUMENTS

This document should be read in conjunction with the following documents:

- The general introduction to usage of the Container Message set, entitled “Guide to the UN/EDIFACT Container Handling Messages” (Guide to the Scenario of EDIFACT Container Messages), document number JM4/ITIGG/9/103/v.12, dated July 1996. The purpose of that document is to outline for users, the use and interrelationship between the various UN/EDIFACT container handling messages developed by the JM 4 Group.
- The document entitled Principles and Rules for the Implementation of Transport EDI Messages - Transport Equipment Movements”, number JM4/ITIGG/96.101/v.12, dated July 1996. This document provides a complete set of detailed and annotated recommendations on usage of each segment in the container message set.

## UN/EDIFACT DIRECTORY REFERENCE

This document is based on the UN/EDIFACT D95B directory. This directory has been designated by JM4 (Transport) as the basis for global implementations and associated guidelines until May 1997 when a review will be made as to the need to move to a later directory version.

## BACKGROUND

It was the development of UN/EDIFACT messages in the Transport sector which initiated the formation of a global UN EDI standards organisation and this development has continued to progress from the inception of the UN/EDIFACT standard to the present time.

Message structures essential to the use of electronic commerce in the Transport sector have been agreed and approved by the relevant authorities up to and including Working Party 4 (Trade Facilitation) of UN/ECE. Over the past five years these messages have been implemented by various communities in the six UN/EDIFACT regions.

These existing implementations have, in most cases, developed in isolation and this has resulted in differing interpretations of the standard messages. In turn this has resulted in a lack of international synergy with regards to the use of codes, qualifiers, data elements, composites, segments, groups of segments and even the messages themselves.

The UN/EDIFACT Joint Message Development Group for Transport (JM4) has recognised that this lack of synergy represents a serious inhibitor to the growth of global electronic commerce.

As the harmonisation of implementation guidelines of UN/EDIFACT messages was not a formal work task of the Joint Rapporteurs Team (JRT) meeting - its purpose was to establish and maintain message structures and data directories - the interested members of JM4 (Transport) formed an informal group to attempt to harmonise known message implementation guides and user manuals and to provide a basis for intending implementers to proceed with confidence.

In late 1994 and early 1995 the group met informally to make recommendations on how codes, qualifiers, elements, segments and messages should be used. The progress made by this relatively small group of experts (less than 20) encouraged the group to formally establish itself as the International Transport Implementation Guidelines Group (ITIGG).

The aims and existence of ITIGG were announced after a meeting in Oakland, CA in July 1995. It was agreed that ITIGG would set itself the major objective of compiling and issuing a document in the first quarter of 1996 which would provide the principles and rules for the international implementation of electronic messages in the transport industry. This document which deals primarily with the maritime sector, represents the achievement of that objective. The future objectives of ITIGG are to incorporate the work of harmonising guidelines from other modes of transport covering air, road, rail and other means of inland transport.

## FORMAL ACCEPTANCE OF ITIGG

At the UN/EDIFACT Joint Rapporteurs Team meeting in Oxford UK in September 1995, the JM4 (Transport) work group decided to recognise ITIGG as the source of guideline harmonisation information and leadership. JM4 also took a decision to officially accept ITIGG as a sub-group of JM4 (Transport).

## STATUS INDICATORS AND USAGE INDICATORS

### Status Indicators

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

The Status Indicators are:-

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

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

### Usage Indicators

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

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

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

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

Implementers are advised to include the above information on Usage and Status Indicators in their Implementation Guidelines.

#### DOCUMENT MAINTENANCE

The data content of this document has been prepared and approved by UN/EDIFACT JM4/ITIGG and no alteration may be made to the content of this document without reference to and approval of JM4/ITIGG.

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

ITIGG Secretariat  
c/- Karl Zlotkowski  
Tradegate Australia Ltd  
Suite 1606, Level 16, 44 Market Street  
Sydney NSW 2000 AUSTRALIA

Telephone: 61 2 9262 5900  
Facsimile: 61 2 9262 5966  
Internet: karlzed@mail.att.net

preferably via the UN/EDIFACT Transport Work Group / Message Design Group in the requestor's region.

## THE COSTOR MESSAGE

### FORMAL DEFINITION

*“Order that specified goods/consignments are to be stuffed into (already or still to be delivered) or stripped from LCL-containers. 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 ‘Guide to the scenario of the EDIFACT container messages’ has been published by ITIGG under the title “Guide to the UN/EDIFACT Container Messages” (Document reference JM4/ITIGG/96.103/v.12).

### CLARIFICATION

The COSTOR message is intended to provide a packing or unpacking facility with details of cargo items to be stuffed (ie. packed) into specified shipping containers, or stripped (ie. unpacked) from specified containers.

It anticipates a report from the facility once the stuffing/stripping operation has been completed, using the COSTCO message.

### USE OF THE CNI GROUP

The message allows for the identification of up to 999 separate consignments, each of which may contain up to 999 goods items. Each goods item can be linked to a specific container by use of the SGP segment.

### USE OF THE EQD GROUP

The message allows for up to 999 containers to be specified, and linked to goods items with by the SGP segment.

<b>SEGMENT TABLE</b>
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0010	UNH Message header Mandatory	M 1		
0020	BGM Beginning of message Mandatory	M 1		
0030	FTX Free text Dependent	C 9		
0040	RFF Reference Required		C 9	
0050	<i>Segment group 1</i>		<i>M 1</i>	<i>Mandatory</i>
0060	TDT Details of transport Mandatory	M 1		
0070	LOC Place/location identification	C 9		Optional
0080	DTM Date/time/period Not used		C 9	
0090	<i>Segment group 2</i>		<i>M 9</i>	<i>Mandatory</i>
0100	NAD Name and address Mandatory		M 1	
0110	CTA Contact information		C 9	Optional
0120	<i>Segment group 3</i>		<i>M 999</i>	<i>Mandatory</i>
0130	EQD Equipment details Mandatory		M 1	
0140	RFF Reference Optional		C 9	
0150	EQN Number of units	C 1		Optional
0160	DTM Date/time/period	C 9		Optional
0170	TSR Transport service requirements	C 9		Not used
0180	LOC Place/location identification	C 9		Optional
0190	DIM Dimensions	C 9		Optional
0200	<i>Segment Group 4</i>		<i>C 9</i>	<i>Optional</i>
0210	NAD Name and address Mandatory		M 1	
0220	DTM Date/time/period Not Used		C 9	
0230	<i>Segment group 5</i>		<i>M 999</i>	<i>Mandatory</i>
0240	CNI Consignment information	M 1		Mandatory
0250	RFF Reference	C 9		Required
0260	NAD Name and address	C 9		Optional
0270	<i>Segment group 6</i>		<i>C 999</i>	<i>Required</i>
0280	GID Goods item details	M 1		Mandatory
0290	HAN Handling instructions	C 9		Optional
0300	TMP Temperature	C 9		Dependent
0310	RNG Range details		C 9	Not used
0320	FTX Free text	C 9		Required
0330	DTM Date/time/period	C 9		Optional
0340	<i>Segment group 7</i>		<i>C 9</i>	<i>Not used</i>
0350	NAD Name and address	M 1		Not used
0360	DTM Date/time/period	C 9		Not used
0370	MEA Measurements		C 9	Optional
0380	PCI Package identification	C 9		Optional

0390	DOC Document/message details	C 9	Not used
0400	Segment group 8	C 999	Optional
0410	SGP Split goods placement	M 1	Mandatory
0420	MEA Measurements	C 9	Optional
0430	Segment group 9	C 9	Dependent
0440	DGS Dangerous goods	M 1	Mandatory
0450	FTX Free text	C 9	Required
0460	MEA Measurements	C 9	Required
0470	Segment group 10	C 999	Optional
0480	SGP Split goods placement	M 1	Mandatory
0490	MEA Measurements	C 9	Required
0500	CNT Control total Mandatory	M 1	
0510	UNT Message Trailer	M 1	Mandatory



**SAMPLE MESSAGE**

UNH  
BGM  
FTX  
RFF  
TDT  
LOC  
NAD  
CTA  
EQD  
RFF  
EQN  
DTM  
LOC  
DIM  
NAD  
CNI  
RFF  
NAD  
GID  
HAN  
TMP  
FTX  
DTM  
MEA  
PCI  
SGP  
MEA  
DGS  
FTX  
MEA  
SGP  
MEA  
CNY  
UNT

## HEADER SECTION

### M UNH MESSAGE HEADER

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

Message Level: Header

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Usage: UNH+

Clarification: The UNH segment must always be sent.

Recommendation JM4/201 refers.

M	0062	MESSAGE REFERENCE NUMBER	M an..14
R		<i>Message Reference Number</i>	
M	S009	MESSAGE IDENTIFIER	M
M	0065	Message Type Identifier	M an..6
R		<i>COSTOR</i>	
M	0052	Message Type Version Number	M an..3
R		<i>D</i>	
M	0054	Message Type Release Number	M an..3
R		<i>95B</i>	
M	0051	Controlling Agency	M an..2
R		<i>UN</i>	
R	0057	Association Assigned Code	C an..6
R		<i>ITG10 (ITIGG Version 1.0)</i>	
O	0068	COMMON ACCESS REFERENCE	C an..35
R		<i>Additional Message Reference (if required)</i>	
X	S010	STATUS OF THE TRANSFER	C

<b>M</b>	<b>BGM</b>	<b>BEGINNING OF MESSAGE</b>
Segment Function:	To indicate the type and function of a message and to transmit the identifying number.	
Message Level:	Header	
Segment Repeats:	1	
Segment Status:	Mandatory	
Segment Usage:	Mandatory	
Sample Segment:	BGM+	
Clarification:	The BGM segment must always be sent.	
	Recommendation JM4/202 refers.	

R	C002	DOCUMENT/MESSAGE NAME	C
R	1001	Document/message name, coded	C an..3
D		140 Packing Instructions	
D		[37] Transport Equipment Unpacking Instruction	
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	1000	Document/message name	C an..35
R	1004	DOCUMENT/MESSAGE NUMBER	C an..35
R		Sender's Unique Internal Reference Number	
R	1225	MESSAGE FUNCTION, CODED	C an..3
D		1 Cancellation (cancel whole message)	
D		5 Replace (replace whole message)	
D		9 Original (whole new message)	
D		31 Copy (to third party)	
O	4343	RESPONSE TYPE, CODED	C an..3
R		AB Message Acknowledgment Required	

**D FTX FREE TEXT**

Segment Function: To provide free form or coded text information.

Message Level: Header

Segment Repeats: 9

Segment Status: Conditional

Segment Usage: Dependent

Sample Segment: FTX+

Clarification: Code or clear text indication of the type of change with respect to the earlier sent message.

Dependency: May only be used together with RFF(ACW) and BGM - 1225 codes other than Original.

Recommendation JM4/206 refers.

M	4451	TEXT SUBJECT QUALIFIER		M	an..3
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D		CHG	Change information		
D		AAI	General Information		

X	4453	TEXT FUNCTION, CODED		C	an..3
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R	C107	TEXT REFERENCE		C	
M	4441	Free text, coded		M	an..3

D		[C1]	Message level information changed		
D		[C2]	Message level information added		
D		[C3]	Message level information deleted		
D		[C4]	Container information changed		
D		[C5]	Container(s) added		
D		[C6]	Container(s) deleted		
D		[C7]	Consignment Information changed		
D		[C8]	Consignment(s) added		
D		[C9]	Consignment(s) deleted		
D		[C10]	Goods item information changed		
D		[C11]	Goods item(s) added		
D		[C12]	Goods item(s) deleted		

X	1131	Code list qualifier		C	an..3
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X	3055	Code list responsible agency, coded		C	an..3
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D	C108	TEXT LITERAL		C	
M	4440	Free text		M	an..70
O	4440	Free text		C	an..70
O	4440	Free text		C	an..70
O	4440	Free text		C	an..70
O	4440	Free text		C	an..70

O	3453	LANGUAGE, CODED		C	an..3
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R Language code as per ISO 639-1988

<b>R</b>	<b>RFF</b>	<b>REFERENCE</b>
	Segment Function:	To specify a reference.
	Message Level:	Header
	Segment Repeats:	9
	Segment Status:	Conditional
	Segment Usage:	Required
	Sample Segment:	RFF+
	Clarification:	To specify references applicable to the whole message, such as the previous message reference.
		Recommendation JM4/208 sets out a methodology for use of the segment.

M	C506	REFERENCE		M
M	1153	Reference qualifier		M an..3
D		AAY	Carrier's agent's reference number	
D		CRA	Reference at return address	
D		ACW	Reference to a previous message Only to be used in case BGM data element 1225 is other than Original (e.g. in case of a replacement message).	
D		[STF]	Stuffing Reference Number	
D		[STR]	Stripping Reference Number	
R	1154	Reference number		C an..35
R		Number		
X	1156	Line number		C an..6
X	4000	Reference version number		C an..35

**M SEGMENT GROUP 1 - TDT**

Group Function: A Group of segments to indicate details of inland movement of equipment.

Group Repeats: 1  
 Group Status: Mandatory  
 Group Usage: Mandatory

Clarification: The TDT at this level must be sent.

Recommendation JM4/210 refers.

**M TDT DETAILS OF TRANSPORT**

Segment Function: To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.

Message Level: Group 1  
 Segment Repeats: 1  
 Segment Status: Mandatory  
 Segment Usage: Mandatory  
 Sample Segment: TDT+

Clarification: The TDT must be used if Group 1 is used.

Recommendation JM4/211 refers.

M	8051	TRANSPORT STAGE QUALIFIER	M an..3
R		20 <i>Main-carriage Transport</i>	
O	8028	CONVEYANCE REFERENCE NUMBER	C an..17
R		<i>Vessel operator's voyage number</i>	
R	C220	MODE OF TRANSPORT	C
R	8067	Mode of transport, coded	C an..3
R		1 <i>Maritime</i>	
X	8066	Mode of transport	C an..17
X	C228	TRANSPORT MEANS	C
X	8179	Type of means of transport identification	C an..8
X	8178	Type of means of transport	C an..17
O	C040	CARRIER	C
R	3127	Carrier identification	C an..17
R		<i>Carrier code</i>	
O	1131	Code list qualifier	C an..3
R		172 <i>Carrier code</i>	
O	3055	Code list responsible agency, coded	C an..3
D		20 <i>BIC</i>	
D		166 <i>US NMFCA (SCAC)</i>	
D		87 <i>Assigned by carrier</i>	
D		184 <i>Australian Chamber of Shipping</i>	
O	3128	Carrier name	C an..35

R		<i>Carrier name (free text)</i>	
X	8101	TRANSIT DIRECTION, CODED	C an..3
X	C401	EXCESS TRANSPORTATION INFORMATION	C
X	8457	Excess transportation reason, coded	M an..3
X	8459	Excess transportation responsibility, coded	M an..3
X	7130	Customer authorisation number	C an..17
O	C222	TRANSPORT IDENTIFICATION	C
O	8213	Id. of means of transport identification	C an..9
D		<i>Call Sign (if 8067 = 1 and C222/131 = 103)</i>	
D		<i>Lloyd's Number (if 9067 = 1 and C222/1131 = 146)</i>	
X	1131	Code list qualifier	C an..3
D		<i>103 Call Sign Directory (if 8213 = call sign)</i>	
D		<i>146 Transport ID (if 8213 &lt;&gt; call sign)</i>	
X	3055	Code list responsible agency, coded	C an..3
O	8212	Id. of the means of transport	C an..35
D		<i>Vessel name (free text)</i>	
X	8453	Nationality of means of transport, coded	C an..3
X	8281	TRANSPORT OWNERSHIP, CODED	C an..3

<b>O</b>	<b>LOC</b>	<b>PLACE/LOCATION IDENTIFICATION</b>
Segment Function:	To identify a country/place/location/ related location one/related location two.	
Message Level:	Group 1	
Segment Repeats:	9	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	LOC+	
Clarification:	To specify locations relating to the equipment. Can be used by mutual agreement.	
	Recommendation JM4/265 refers.	

R	3227	PLACE/LOCATION QUALIFIER	M an..3
D		9	Port of Loading
D		11	Port of discharge
R	C517	LOCATION IDENTIFICATION	C
R	3225	Place/location identification	C an..25
R		UN LOCODE	
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3224	Place/location	C an..17
X	C519	RELATED LOCATION ONE IDENTIFICATION	C
X	3223	Related place/location one identification	C an..25
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3222	Related place/location one	C an..70
X	C553	RELATED LOCATION TWO IDENTIFICATION	C
X	3233	Related place/location two identification	C an..25
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3232	Related place/location two	C an..70
X	5479	RELATION, CODED	C an..3



**M SEGMENT GROUP 2 - NAD**

Group Function:	A group of segments to identify a party and/or addresses and related contacts.
Group Repeats:	9
Group Status:	Mandatory
Group Usage:	Mandatory
Clarification:	This segment group is mandatory in the message and must always be used. Recommendation JM4/216 refers.

**M NAD NAME AND ADDRESS**

Segment Function:	To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.
Message Level:	Group 2
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	NAD+
Clarification:	The NAD segment at this level must always be sent. Recommendation JM4/217 refers.

M	3035	PARTY QUALIFIER	M an..3
D		CG	Carrier's agent
D		CR	Empty equipment return party
D		MS	Message Sender
D		MR	Message Receiver
D	C082	PARTY IDENTIFICATION DETAILS	C
M	3039	Party id. identification	M an..35
R		Company Code	
O	1131	Code list qualifier	C an..3
O	3055	Code list responsible agency, coded	C an..3
D	C058	NAME AND ADDRESS	C
M	3124	Name and address line	M an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
D	C080	PARTY NAME	C
M	3036	Party name	M an..35
O	3036	Party name	C an..35
O	3036	Party name	C an..35
O	3036	Party name	C an..35
O	3036	Party name	C an..35
O	3045	Party name format, coded	C an..3
D	C059	STREET	C
M	3042	Street and number/p.o. box	M an..35
O	3042	Street and number/p.o. box	C an..35
O	3042	Street and number/p.o. box	C an..35

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O	3164	CITY NAME	C an..35
O	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9
O	3251	POSTCODE IDENTIFICATION	C an..9
O	3207	COUNTRY, CODED	C an..3

O	CTA	CONTACT INFORMATION
Segment Function:		To identify a person or a department to whom communication should be directed.
Message Level:		Group 2
Segment Repeats:		9
Segment Status:		Conditional
Segment Usage:		Optional
Sample Segment:		CTA+
Clarification:		The CTA identifies a specific contact party for the entity specified in the preceding NAD.
		Recommendation JM4/219 refers.

R	3139	CONTACT FUNCTION, CODED	C an..3
R		<i>IC Information Contact</i>	
R	C056	DEPARTMENT OR EMPLOYEE DETAILS	C
X	3413	Department or employee identification	C an..17
R	3412	Department or employee	C an..35
R		<i>Name</i>	

**R SEGMENT GROUP 3 - EQD**

Group Function: A group to specify the containers to be released.

Group Repeats: 999  
 Group Status: Mandatory  
 Group Usage: Mandatory

Clarification: The EQD Group must always be transmitted.

Recommendation JM4/258 refers.

**M EQD EQUIPMENT DETAILS**

Segment Function: To identify a unit of equipment.

Message Level: Group 3  
 Segment Repeats: 1  
 Segment Status: Mandatory  
 Segment Usage: Mandatory  
 Sample Segment: EQD+

Clarification: To specify container or equipment details.

Recommendation JM4/259 refers.

M	8053	EQUIPMENT QUALIFIER	M an..3
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*D CN Container*

D	C237	EQUIPMENT IDENTIFICATION	C
R	8260	Equipment identification number	C an..17

*R Equipment Number or sequence number*

*Container numbers must include both prefix and number, expressed as a contiguous string without spaces.*

*A container sequence number is a unique number identifying a group of containers with the same equipment details (such as size/type). It can also be used to identify one or more containers where specific equipment number(s) are not yet known. It should appear in the EQD segment where equipment numbers are not known, and in the accompanying RFF segment as a reference after equipment numbers have been allocated.*

X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3207	Country, coded	C an..3

D	C224	EQUIPMENT SIZE AND TYPE	C
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R	8155	Equipment size and type identification	C an..10
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*R Size/type code*

O	1131	Code list qualifier	C an..3
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*R 102 Size/type*

O	3055	Code list responsible agency, coded	C an..3
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*R 5 ISO Size/type code*

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O	8154	Equipment size and type	C an..35
R		<i>Size/type (free text</i>	
X	8077	EQUIPMENT SUPPLIER, CODED	C an..3
X	8169	FULL/EMPTY INDICATOR, CODED	C an..3

<b>M</b>	<b>RFF</b>	<b>REFERENCE</b>
Segment Function:		To specify a reference.
Message Level:		Group 3
Segment Repeats:		9
Segment Status:		Conditional
Segment Usage:		Required
Sample Segment:		RFF+
Clarification:		To specify references related to the container. At least one repeat must always be sent.
		Recommendation JM4/260 refers.

M	C506	REFERENCE		M
M	1153	Reference qualifier		M an..3
D		[CPR]	Container prefix (4 letter prefix of the equipment number)	
D		[LPO]	Reference at place of positioning	
D		[LQR]	Lower serial number of equipment range	
D		[UQR]	Upper serial number of equipment range	
D		SQ	Sequence Number	
R	1154	Reference number		C an..35
R		Number		
X	1156	Line number		C an..6
X	4000	Reference version number		C an..35

## NOTES

A group of containers owned by a particular party between a specified number range can be identified by a combination of [CPR], [LQR] and/or [UQR] reference numbers.

**O EQN NUMBER OF UNITS**

Segment Function: To specify the number of units of a particular type.

Message Level: Group 3

Segment Repeats: 1

Segment Status: Conditional

Segment Usage: Optional

Sample Segment: EQN+

Clarification: The EQN is used to specify the number of containers of the type indicated in the EQD, into which cargo is to be stuffed/packed.

Recommendation JM4/261 refers.

R	C523	NUMBER OF UNIT DETAILS	M		
R	6350	Number of Units		C	n..15
R		<i>Number of containers required of the indicated size/type and prefix and number range.</i>			
X	6353	Number of Units Qualifier		C	an..3

**O DTM DATE/TIME PERIOD**

Segment Function: To specify date, and/or time, or period

Message Level: Group 3

Segment Repeats: 9

Segment Status: Conditional

Segment Usage: Optional

Sample Segment: DTM+

Clarification: To specify dates related to the container

Recommendation JM4/264 refers.

R	C507	DATE/TIME/PERIOD		M	
R	2005	Date/time/period qualifier		M	an..3
D		[USD]	Ultimate Stuffing date/time		
D		[UST]	Ultimate Stripping date/time		
O		[CPE]	Estimated position date/time		
R	2380	Date/time/period		C	an..35
R			Date/time as qualified.		
R	2379	Date/time/period format qualifier		C	an..3
D		203	CCYYMMDDHHMM		
D		102	CCYYMMDD		



**O LOC PLACE/LOCATION IDENTIFICATION**

Segment Function: To identify a country/place/location/related location one/related location two.

Message Level: Group 3

Segment Repeats: 9

Segment Status: Conditional

Segment Usage: Optional

Sample Segment: LOC+

Clarification: To specify locations relating to the container to be stuffed.

Recommendation JM4/265 refers.

R	3227	PLACE/LOCATION QUALIFIER	M an..3
O		11 Port of Discharge	
O		13 Transshipment place	
R	C517	LOCATION IDENTIFICATION	C
R	3225	Place/location identification	C an..25
R		UN LOCODE	
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3224	Place/location	C an..17
X	C519	RELATED LOCATION ONE IDENTIFICATION	C
X	3223	Related place/location one identification	C an..25
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3222	Related place/location one	C an..70
X	C553	RELATED LOCATION TWO IDENTIFICATION	C
X	3233	Related place/location two identification	C an..25
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3232	Related place/location two	C an..70
X	5479	RELATION, CODED	C an..3

<b>D</b>	<b>DIM</b>	<b>DIMENSIONS</b>
Segment Function:		To specify dimensions
Message Level:		Group 3
Segment Repeats:		9
Segment Status:		Conditional
Segment Usage:		Dependent
Sample Segment:		DIM+
Clarification:		The DIM segment is used when dimensions exceed those in the standard reported in the EQD segment.
		Recommendation JM4/267 refers

M	6145	DIMENSION QUALIFIER		M	an..3
D		10	External dimensions		
M	C211	DIMENSIONS		M	
M	6411	Measure unit qualifier		M	an..3
D		CMT	Centimetre		
D		INH	Inches		
D	6168	Length dimension		C	n..15
R		Length			
D	6140	Width dimension		C	n..15
R		Width			
D	6008	Height dimension		C	n..15
R		Height			

**O SEGMENT GROUP 4 - NAD/DTM**

Group Function:	A group of segments to identify different parties/places relative to the container.
Group repeats:	9
Group status:	Conditional
Group Usage:	Optional
Clarification:	The NAD Group at this level identifies the address to which goods are to be delivered after unpack.
	Recommendation JM4/286 refers

**M NAD NAME AND ADDRESS**

Segment Function:	To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.
Message Level:	Group 4
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	NAD+
Clarification:	The NAD at this level must be sent if Group 4 is used.
	Recommendation JM4/287 refers.

R	3035	PARTY QUALIFIER	M an..3
R		<i>(FPO) Final place of positioning</i>	
X	C082	PARTY IDENTIFICATION DETAILS	C
X	3039	Party id. identification	M an..35
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
R	C058	NAME AND ADDRESS	C
R	3124	Name and address line	M an..35
R		<i>Company Name</i>	
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
R		<i>Company address lines</i>	
X	C080	PARTY NAME	C
X	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, coded	C an..3
X	C059	STREET	C
X	3042	Street and number/p.o. box	M an..35
X	3042	Street and number/p.o. box	C an..35
X	3042	Street and number/p.o. box	C an..35

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X	3164	CITY NAME	C an..35
X	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9
X	3251	POSTCODE IDENTIFICATION	C an..9
X	3207	COUNTRY, CODED	C an..3

**M SEGMENT GROUP 5 - CNI**

Group Function: A group of segments to specify information relative to the consignments to be stuffed or stripped.

Group repeats: 999  
 Group status: Mandatory  
 Group Usage: Mandatory

Clarification: The CNI group is used to describe a consignment to be stuffed into or to be stripped from a LCL-container(s) (Less than Full Container Load).

Recommendation JM4/233 refers.

**M CNI CONSIGNMENT INFORMATION**

Segment Function : To indicate consignments loaded in a consolidation using the reference number of the transport document of the relevant consignment.

Message Level: Group 5  
 Segment repeats: 999  
 Segment status: Mandatory  
 Segment Usage: Mandatory  
 Sample Segment: CNI+

Clarification: The CNI segment identifies the consignment by its sequence number within the consolidation.

Recommendation JM4/224 refers.

R	1490	CONSOLIDATION ITEM NUMBER	M	n..4
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R *Consignment sequence number within the consolidation*

X	C503	DOCUMENT/MESSAGE DETAILS	C	
X	1004	Document/message number	C	an..35
X	1373	Document/message status, coded	C	an..3
X	1366	Document/message source	C	an..35
X	3453	Language, coded	C	an..3

X	1312	CONSIGNMENT LOAD SEQUENCE NUMBER	C	n..4
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<b>R</b>	<b>RFF</b>	<b>REFERENCE</b>
	Segment Function:	To specify a reference.
	Message Level:	Group 5
	Segment Repeats:	9
	Segment Status:	Conditional
	Segment Usage:	Required
	Sample Segment:	RFF+
	Clarification:	The RFF is used to specify references applicable to the LCL-consignment.  Recommendation JM4/225 refers.

R	C506	REFERENCE		M
R	1153	Reference qualifier		M an..3
<i>D</i>		<i>BN</i>	<i>Booking Reference</i>	
<i>D</i>		<i>BM</i>	<i>Bill of Lading number</i>	
R	1154	Reference number		C an..35
R		<i>Number</i>		
X	1156	Line number		C an..6
X	4000	Reference version number		C an..35

<b>O</b>	<b>NAD</b>	<b>NAME AND ADDRESS</b>
Segment Function:	To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.	
Message Level:	Group 5	
Segment Repeats:	1	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	NAD+	
Clarification:	To specify parties related to the consignment to be stuffed/stripped.	
	Recommendation JM4/226 refers.	

R	3035	PARTY QUALIFIER	M an..3
D		CZ	Consignor (in case of stuffing order)
D		CN	Consignee (in case of stripping order)
X	C082	PARTY IDENTIFICATION DETAILS	C
X	3039	Party id. identification	M an..35
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
R	C058	NAME AND ADDRESS	C
R	3124	Name and address line	M an..35
R		<i>Company Name</i>	
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
O	3124	Name and address line	C an..35
R		<i>Company address lines</i>	
X	C080	PARTY NAME	C
X	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, coded	C an..3
X	C059	STREET	C
X	3042	Street and number/p.o. box	M an..35
X	3042	Street and number/p.o. box	C an..35
X	3042	Street and number/p.o. box	C an..35
X	3164	CITY NAME	C an..35
X	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9
X	3251	POSTCODE IDENTIFICATION	C an..9
X	3207	COUNTRY, CODED	C an..3

**R SEGMENT GROUP 6 - GID**

Group Function: A group of segments to describe a goods item.

Group Repeats: 999

Group Status: Conditional

Group Usage: Required

Clarification: The GID Group is always required in this message.

Recommendation JM4/227 refers.

**M GID GOODS ITEM DETAILS**

Segment Function: To indicate totals of a goods item.

Message Level: Group 6

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segment: GID+

Clarification: The GID segment identifies each item of goods in the consignment.

Recommendation JM4/228 refers.

M	1496	GOODS ITEM NUMBER	C n..5	M
R		<i>Goods item number</i>		
R	C213	NUMBER AND TYPE OF PACKAGES	C	
M	7224	Number of packages	M n..8	
R		<i>Number of packages</i>		
		<i>Number of self-contained units (transportable units or despatch units) as specified in the relevant contract of carriage.</i>		
D	7065	Type of packages identification	C an..7	
R		<i>Type of packages code (as per UN Recommendation 21)</i>		
X	1131	Code list qualifier	C an..3	
X	3055	Code list responsible agency, coded	C an..3	
O	7064	Type of packages	C an..35	
R		<i>Type of packages (free text)</i>		
X	C213	NUMBER AND TYPE OF PACKAGES	C	
X	7224	Number of packages	M n..8	
X	7065	Type of packages identification	C an..7	
X	1131	Code list qualifier	C an..3	
X	3055	Code list responsible agency, coded	C an..3	
X	7064	Type of packages	C an..35	
X	C213	NUMBER AND TYPE OF PACKAGES	C	
X	7224	Number of packages	M n..8	
X	7065	Type of packages identification	C an..7	
X	1131	Code list qualifier	C an..3	
X	3055	Code list responsible agency, coded	C an..3	
X	7064	Type of packages	C an..35	
X	7064	Type of packages	C an..35	





<b>O</b>	<b>HAN</b>	<b>HANDLING INSTRUCTIONS</b>
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Segment Function : To specify handling and where necessary, notify hazards.

Message Level: Group 6  
 Segment repeats: 9  
 Segment status: Conditional  
 Segment Usage: Optional  
 Sample Segment: HAN+

Clarification: To specify handling instructions related to the LCL-goods item prior to and during the stuffing operation and during the stripping operation and thereafter.

Recommendation JM4/232 refers.

R	C524	HANDLING INSTRUCTIONS	C
O	4079	Handling instructions, coded	C an..3
R		<i>Coded Handling Instructions</i>	
O	1131	Code list qualifier	C an..3
R		<i>130 Special Handling</i>	
O	3055	Code list responsible agency, coded	C an..3
D		<i>9 EAN</i>	
D		<i>184 ACOS (See recommendation JM4/271)</i>	
O	4078	Handling instructions	C an..70
R		<i>Handling instructions (free text)</i>	
X	C218	HAZARDOUS MATERIAL	C
X	7419	Hazardous material class code, identification	C an..4
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3

**D    TMP            TEMPERATURE**

Segment Function:            To specify the temperature setting

Message Level:              Group 6

Segment Repeats:          9

Segment Status:            Conditional

Segment Usage:            Dependent

Sample Segment:          TMP+2+-21.0:CEL'

Clarification:              To specify temperature settings for the LCL-goods item to be stuffed or stripped.

Recommendation JM4/238 refers.

R	6245	TEMPERATURE QUALIFIER		M	an..3
R		2	<i>Transport temperature</i>		
R	C239	TEMPERATURE SETTING		C	
R	6246	Temperature setting		C	n3
R			<i>Temperature setting of the goods item during the stuffing/stripping operation.</i>		
R	6411	Measure Unit qualifier		C	an..3
D		CEL	<i>Celsius</i>		
D		FAH	<i>Degree Fahrenheit</i>		

**O    RNG            RANGE DETAILS**

Segment Function:            To specify a range.

Message Level:              Group 6

Segment Repeats:          9

Segment Status:            Conditional

Segment Usage:            Optional

Sample Segment:          RNG+

Clarification:              The RNG segment may be used if a range of temperatures is to be specified. It should always be used in conjunction with the preceding TMP segment.

Recommendation JM4/239 refers.

M	6167	RANGE TYPE QUALIFIER	M	an..3
5		5 <i>Temperature Range</i>		
R	C280	RANGE	C	
M	6411	Measure unit qualifier	M	an..3
D		CEL <i>Celsius</i>		
D		FAH <i>Fahrenheit</i>		
R	6162	Range Minimum	C	n..18
R		<i>Lowest temperature</i>		
R	6152	Range Maximum	C	n..18
R		<i>Highest temperature</i>		

**R FTX FREE TEXT**

Segment Function: To provide free form or coded text information.

Message Level: Group 6

Segment Repeats: 9

Segment Status: Conditional

Segment Usage: Required

Sample Segment: FTX+

Clarification: To provide free text details associated with the LCL-goods item.

Recommendation JM4/233 refers.

R	4451	TEXT SUBJECT QUALIFIER	M	an..3
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R		AAA	Goods Description	
O		HAN	Handling Instructions	

X	4453	TEXT FUNCTION, CODED	C	an..3
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X	C107	TEXT REFERENCE	C	
X	4441	Free text, coded	M	an..3
X	1131	Code list qualifier	C	an..3
X	3055	Code list responsible agency, coded	C	an..3

R	C108	TEXT LITERAL	C	
R	4440	Free text	M	an..70
O	4440	Free text	C	an..70
O	4440	Free text	C	an..70
O	4440	Free text	C	an..70
O	4440	Free text	C	an..70

R		Goods description (maximum 26 charcaters)		
O		Handling instructions (free text)		

X	3453	LANGUAGE, CODED	C	an..3
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<b>O</b>	<b>DTM</b>	<b>DATE/TIME PERIOD</b>
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Segment Function: To specify date, and/or time, or period

Message Level: Group 6

Segment Repeats: 9

Segment Status: Conditional

Segment Usage: Optional

Sample Segment: DTM+

Clarification: The DTM at this level is used to specify dates related to the LCL-goods.

Recommendation JM4/233 refers

R	C507	DATE/TIME/PERIOD	M
R	2005	Date/time/period qualifier	M an..3
O		<i>[GPE] Expected goods position date/time</i>	
		<i>Date/time on which LCL-goods to be stuffed are expected to be delivered.</i>	
R	2380	Date/time/period	C an..35
R		<i>Date/time as qualified.</i>	
R	2379	Date/time/period format qualifier	C an..3
D		203	CCYYMMDDHHMM
D		102	CCYYMMDD

**O MEA MEASUREMENTS**

Segment Function: To specify physical measurements, including dimension tolerances, weights and counts.

Message Level: Group 6

Segment Repeats: 9

Segment Status: Conditional

Segment Usage: Optional

Sample Segment: MEA+

Clarification: The MEA is used to specify weights/volumes related to the goods item being stuffed or stripped.

Recommendation JM4/236 refers.

R	6311	MEASUREMENT APPLICATION QUALIFIER		M	an..3
R		AAE	Measurement		
R	C502	MEASUREMENT DETAILS		C	
R	6313	Measurement dimension, coded		C	an..3
D		G	Gross Weight		
D		ABJ	Volume		
D		[GMC]	Gross measurement/cube		
X	6321	Measurement significance, coded		C	an..3
X	6155	Measurement attribute, coded		C	an..3
X	6154	Measurement attribute		C	an..70
R	C174	VALUE/RANGE		C	
R	6411	Measure unit qualifier		M	an..3
D		KGM	Kilogram		
D		MTQ	Cubic metres		
R	6314	Measurement value		C	n..18
R			Weight or Volume of the goods item		
X	6162	Range minimum		C	n..18
X	6152	Range maximum		C	n..18
X	6432	Significant digits		C	n..2
X	7383	SURFACE/LAYER INDICATOR, CODED		C	an..3

**NOTE**

[GMC] Measurement normally arrived at by multiplying the maximum length, width and height of pieces or packages or transport equipment.

<b>O</b>	<b>PCI</b>	<b>PACKAGE IDENTIFICATION</b>
Segment Function :	To specify markings and labels on individual packages or physical units.	
Message Level:	Group 6	
Segment Repeats:	9	
Segment Status:	Conditional	
Segment Usage:	Optional	
Sample Segment:	PCI+	
Clarification:	The PCI is used to specify marks and number as attached to the goods item being stuffed or stripped.	
	Recommendation JM4/240 refers.	

X	4233	MARKING INSTRUCTIONS, CODED	C an..3
R	C210	MARKS & LABELS	C
R	7102	Shipping marks	M an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
O	7102	Shipping marks	C an..35
R		<i>The Marks and Number, as physically present on the packages of the goods item being stuffed or stripped.</i>	
		<i>The format for the text for the Marks and Numbers is restricted to: an..17 (as on Transport documents such as B/L.)</i>	
X	8275	CONTAINER/PACKAGE STATUS, CODED	C an..3



**O SEGMENT GROUP 8 - SGP**

Group Function:	A group of segments to specify the distribution of the goods item among containers.
Group repeats:	999
Group status:	Conditional
Group Usage:	Optional
Clarification	The SGP is used to link a goods item to a container specified in the EQD Group.  Recommendation JM4/245 refers.

**R SGP SPLIT GOODS PLACEMENT**

Segment Function:	To specify the placements of goods in relation to equipment.
Message Level:	Group 8
Segment repeats:	1
Segment status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	SGP+
Clarification:	The SGP links the goods item specified in the preceding GID to a container specified in the EQD segment.  Recommendation JM4/246 refers.

R	C237	EQUIPMENT IDENTIFICATION	M
R	8260	Equipment identification number	C an..17
R		<i>Equipment number (as an contiguous string without spaces)</i>	
		<i>Either a container number (if known) or a sequence number - in either case this would be the same number as that appearing in the appropriate EQD.</i>	
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3207	Country, coded	C an..3
X	7224	NUMBER OF PACKAGES	C n..8

**O MEA MEASUREMENTS**

Segment Function : To specify physical measurements, including dimension tolerances, weights and counts.

Message Level: Group 8

Segment repeats: 9

Segment status: Conditional

Segment Usage: Optional

Sample Segment: MEA+

Clarification: To specify the weights or volumes of the goods item or the specified part thereof in the specified container in SGP.

Recommendation JM4/247 refers.

R	6311	MEASUREMENT APPLICATION QUALIFIER	M an..3
R		<i>AAE Measurement</i>	
R	C502	MEASUREMENT DETAILS	C
R	6313	Measurement dimension, coded	C an..3
R		<i>G Gross Weight</i>	
X	6321	Measurement significance, coded	C an..3
X	6155	Measurement attribute, coded	C an..3
R	C174	VALUE/RANGE	C
R	6411	Measure unit qualifier	M an..3
R		<i>KGM Kilogram</i>	
R	6314	Measurement value	C n..18
R		<i>Weight</i>	
X	6162	Range minimum	C n..18
X	6152	Range maximum	C n..18
X	7383	SURFACE/LAYER INDICATOR, CODED	C an..3

**O SEGMENT GROUP 9 - DGS**

Group Function:	A Group of segments to indicate the dangerous goods details related to the goods item.
Group repeats:	9
Group status:	Conditional
Group Usage:	Dependent
Clarification:	To specify the dangerous goods details related to the goods item.

**D DGS DANGEROUS GOODS**

Function:	To identify dangerous goods
Message Level:	Group 9
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	DGS+IMD+3.2_1194+-21.0:CEL'
Clarification:	The DGS must be sent if Group 9 is used. It should be used in conjunction with the FTX segment which follows.  Recommendation JM4/249 refers.

R	8273	DANGEROUS GOODS REGULATIONS, CODED	C	an..3
R		<i>IMD</i>	<i>IMO IMDG Code</i>	
O		<i>ADN</i>	<i>Inland water dangerous goods book</i>	
O		<i>[ADR]</i>	<i>Road dangerous goods book</i>	
O		<i>RID</i>	<i>Rail/road dangerous goods book (RID)</i>	
R	C205	HAZARD CODE	C	
R	8351	Hazard code identification	M	an..7
R		<i>IMDG Class Number</i>		
O	8078	Hazard substance/item/page number	C	an..7
R		<i>IMDG Code Page Number</i>		
X	8092	Hazard code version number	C	an..10
R	C234	UNDG INFORMATION	C	
R	7124	UNDG number	C	n4
R		<i>UNDG number</i>		
X	7088	Dangerous goods flashpoint	C	an..8
O	C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	C	
R	7106	Shipment flashpoint	C	n3
R		<i>Flashpoint temperature</i>		
R	6411	Measure unit qualifier	C	an..3
D		<i>CEL</i>	<i>Celsius</i>	
D		<i>FAH</i>	<i>Fahrenheit</i>	
X	8339	PACKING GROUP, CODED	C	an..3

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X	8364	EMS NUMBER	C	an..6
X	8410	MFAG	C	an..4
X	8126	TREM CARD NUMBER	C	an..10
X	C235	HAZARD IDENTIFICATION	C	
X	8158	Hazard identification number, upper part	C	an..4
X	8186	Substance identification number, lower part	C	an4
X	C236	DANGEROUS GOODS LABEL	C	
X	8246	Dangerous goods label marking	C	an..4
X	8246	Dangerous goods label marking	C	an..4
X	8246	Dangerous goods label marking	C	an..4
X	8255	PACKING INSTRUCTION, CODED	C	an..3
X	8325	CATEGORY OF MEANS OF TRANSPORT, CODED	C	an..3
X	8211	PERMISSION FOR TRANSPORT, CODED	C	an..3

<b>R</b>	<b>FTX</b>	<b>FREE TEXT</b>
Segment Function :		To provide free form or coded text information.
Message Level:		Group 9
Segment repeats:		9
Segment status:		Conditional
Segment Usage:		Required
Sample Segment:		FTX+
Clarification:		To specify the textual information of the dangerous goods, such as proper shipping name and additional dangerous goods information.
		Recommendation JM4/250 refers.

R	4451	TEXT SUBJECT QUALIFIER	M an..3
R		AAD	<i>Dangerous goods technical name</i>
O		AAC	<i>Dangerous goods additional information</i>
X	4453	TEXT FUNCTION, CODED	C an..3
X	C107	TEXT REFERENCE	C
X	4441	Free text, coded	M an..3
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
R	C108	TEXT LITERAL	C
R	4440	Free text	M an..70
O	4440	Free text	C an..70
O	4440	Free text	C an..70
O	4440	Free text	C an..70
O	4440	Free text	C an..70
R		<i>Dangerous goods technical name or Additional dangerous goods information (maximum 26 characters per line)</i>	
X	3453	LANGUAGE, CODED	C an..

**R MEA MEASUREMENTS**

Segment Function: To specify physical measurements, including dimension tolerances, weights and counts.

Message Level: Group 9

Segment repeats: 9

Segment status: Conditional

Segment Usage: Required

Sample Segment: MEA+

Clarification: To specify the net net weight of the dangerous substance of the goods item.

Recommendation JM4/251 refers.

R	6311	MEASUREMENT APPLICATION QUALIFIER	M an..3
R		<i>AAE Measurement</i>	
R	C502	MEASUREMENT DETAILS	C
R	6313	Measurement dimension, coded	C an..3
D		<i>AAF Net net weight</i>	
		<i>Weight (mass) of the goods themselves without any packing.</i>	
X	6321	Measurement significance, coded	C an..3
X	6155	Measurement attribute, coded	C an..3
R	C174	VALUE/RANGE	C
R	6411	Measure unit qualifier	M an..3
D		<i>KGM Kilogram</i>	
D		<i>LBR Pounds</i>	
R	6314	Measurement value	C n..18
		<i>The net net weight of the dangerous substance of the stripped/stuffed goods item or part thereof.</i>	
X	6162	Range minimum	C n..18
X	6152	Range maximum	C n..18
X	6432	Significant digits	C n..2
X	7383	SURFACE/LAYER INDICATOR, CODED	C an..3

**O SEGMENT GROUP 10 - SGP**

Group Function: A group of segments to specify the distribution of the goods item among containers.

Group repeats: 999

Group status: Conditional

Group Usage: Optional.

Clarification: The SGP Group at this level is used to specify the distribution of a dangerous substance among containers.

Recommendation JM4/255 refers.

**M SGP SPLIT GOODS PLACEMENT**

Segment Function: To specify the placements of goods in relation to equipment.

Message Level: Group 10

Segment Repeat: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Clarification: The SGP segment must be sent if Group 10 is used.

Recommendation JM4/256 refers.

R	C237	EQUIPMENT IDENTIFICATION	M
R	8260	Equipment identification number	C an..17
<i>R Equipment number or Container sequence number</i>			
X	1131	Code list qualifier	C an..3
X	3055	Code list responsible agency, coded	C an..3
X	3207	Country, coded	C an..3
O	7224	NUMBER OF PACKAGES	C n..8

*Number of packages (of the self contained units) of the goods item that are to be stuffed in or stripped from the specified container, and which contain the dangerous substances.*

**R MEA MEASUREMENTS**

Segment Function : To specify physical measurements, including dimension tolerances, weights and counts.

Message Level: Group 10

Segment repeats: 9

Segment status: Conditional

Segment Usage: Required

Sample Segment: MEA+

Clarification: To specify the net net weight of the dangerous substance of the goods item in the container.

R	6311	MEASUREMENT APPLICATION QUALIFIER		M an..3
R		AAE	Measurement	
R	C502	MEASUREMENT DETAILS		C
R	6313	Measurement dimension, coded		C an..3
R		AAF	Net net weight	
			<i>Weight (mass) of the goods themselves without any packing.</i>	
X	6321	Measurement significance, coded		C an..3
X	6155	Measurement attribute, coded		C an..3
R	C174	VALUE/RANGE		C
R	6411	Measure unit qualifier		M an..3
D		KGM	Kilograms	
D		LBR	Pounds	
R	6314	Measurement value		C n..18
			<i>The net net weight of the dangerous substance of the stripped/stuffed goods item in the specified container.</i>	
X	6162	Range minimum		C n..18
X	6152	Range maximum		C n..18
X	6432	Significant digits		C n..2
X	7383	SURFACE/LAYER INDICATOR, CODED		C an..3



<b>M</b>	<b>CNT</b>	<b>CONTROL TOTAL</b>
Segment Function:	To provide control total.	
Message Level:	Summary	
Segment Repeats:	1	
Segment Status:	Mandatory	
Segment Usage:	Mandatory	
Sample Segment:	CNT+	
Clarification:	Can be used to carry either a control total of the number of EQD segments in the message, or a dummy value if a control total is not required. The segment is mandatory in the message and must always be sent.	
	Recommendation JM4/294 refers.	

M	C270	CONTROL		M
M	6069	Control qualifier		M an..3
<i>D</i>		<i>1</i>	<i>Dummy</i>	
<i>D</i>		<i>16</i>	<i>Total number of equipment</i>	
M	6066	Control value		M n..18
<i>D</i>		<i>1</i>	<i>(Dummy value) (if 6069 = 1)</i>	
<i>D</i>			<i>Total number of EQD segments (if 6069 = 16)</i>	
X	6411	Measure unit qualifier		C an..3

<b>M</b>	<b>UNT</b>	<b>MESSAGE TRAILER</b>
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Segment Function: To end and check the completeness of a message.

Message Level: Summary

Segment Repeats: 1

Segment Status: Mandatory

Segment Usage: Mandatory

Sample Segment: UNT+

Clarification:: The UNT must always be sent.

Recommendation JM4/295 refers.

M	0074	NUMBER OF SEGMENTS IN A MESSAGE	M	n..6
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R *Number of segments in the message including UNH and UNT.*

M	0062	MESSAGE REFERENCE NUMBER	M	an..14
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R *Same reference as in 0062 in UNH.*

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Ref: itigg\96\_110.v10