INTERNATIONAL REFERENCE GUIDELINE FOR THE IMPLEMENTATION OF TRANSPORT EDI MESSAGES

CODECO

GATE ACTIVITY MESSAGE

GUIDELINE FOR THE UN/EDIFACT D.95B CODECO MESSAGE

DOCUMENT REFERENCE : SMDG16

Issued and Authorised by the SMDG User Group for Shipping Lines and Container Terminals, a "Global User Group" under the auspices of UN/CEFACT

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Revision History

Version	Date	Author(s)	Revision Notes
1.2	March 2003	SMDG	Created version
1.6	October 2015	Paul Wauters	Extended for Gross Weight Verification
1.6-1	January 2016	Paul Wauters	Updated UNECE official codes/qualifiers
1.6-2	June 2016	Paul Wauters	Aligned VGM additons with existing info

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 D.95B CODECO 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 reference of this document is SMDG16 and Is based on JM4/ITIGG/105 which refers to document number 105 issued 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/102. 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/101. 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 all global implementations and associated guidelines for the Container Message set. A review of this document will be undertaken during late 1997/early 1998.

COMPLIANCE WITH ITIGG PRINCIPLES AND RULES

At its Helsinki meeting in September 1996, JM4/ITIGG agreed on specific conditions for compliance with the Principles and Rules laid out in this document. These conditions take the form of Recommendation JM4/50, which reads as follows:

JM4 recommends that user groups use the documents issued by ITIGG for Principles and Rules (P&R) for specific sets of messages to the fullest extent possible.

*1.0 JM4 allows user groups to describe their specific Message Implementation Guidelines (MIGs) as **'compliant with the ITIGG Principles and Rules document Version *.*'** provided that:*

1.1 The usage indicators in the user group MIG are derived from the relevant Principles and Rules document according to the following rule:

Usage Indicator in UNSM	***Usage Indicator in P&R documentin***	***Usage Indicator specific MIG***
Mandatory (M)	*Mandatory (M)*	*always Mandatory (M)*
Conditional (C)	*Required (R)*	*always Required (R)*
Conditional (C)	*Dependent (D)*	*may be Dependent, Required, Optional or Not Used (D,R,O,X)*
Conditional (C)	*Optional (O)*	*may be Optional, Dependent, Required or Not Used (O,D,R,X)*
Conditional (C)	*Not Used (X)*	*always Not Used (X)*

1.2 The General Recommendations approved by JM4 and issued through ITIGG are followed.

1.3 The code values and qualifier values in the specific MIG should be chosen from those recommended by ITIGG in the relevant P&R Document.

*1.4 Where these conditions are followed, the Guideline may be identified with the appropriate ITIGG version code (ITG**) in date element 0057 of the UNH.*

2.0 In case user groups feel the need to deviate from the above compliance conditions an Implementation Change Request (ICR) is to be put forward to the regional UN/EDIFACT Transport Group. Where a guideline is published which does not comply with these conditions data element 0057 should not contain the ITIGG code.

3.0 When agreed in ITIGG the ICR will be incorporated in the next release of the relevant P&R document.

The specific MIG is to be identified in DE 0057 in accordance with the rules set out in General Recommendation JM4/5.

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.

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).

At the Helsinki JRT meeting in September 1996 it was agreed that a formal working group should be established within the JRT process to commence the work of comparing and harmonising segment usage between different industry sectors. This has received the endorsement of other key working groups within UN/EDIFACT.

This formal working group (known as T8) met for the first time at the Singapore JRT meeting in April 1997, and has commenced the task of comparing the usage of common segments by different industry sectors.

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:-

Value	*Description*
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:-

Value	*Description*
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 is 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.

CHANGES IN THIS VERSION

SMDG16

SMDG 16, maintained by SMDG, is the next upgrade after ITIG14 as maintained by ITIGG. Version 1.6, first released October 2015, includes amendments for transmission of data specifying a container's verified gross mass (VGM) according to SOLAS regulation 2,chapter VI, paragraphs 4-6.

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

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

EQD group segments additions:

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

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

DTM – Date/Time
- **798** - Verified gross mass determination date/time - Date/Time when a gross mass (weight) of a packed container was obtained according to SOLAS chapter VI, regulation 2, paragraphs 4-6

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

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

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

Header

NAD – Name and Address

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

CTA – Contact

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

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:-

SMDG Secretariat
Seattleweg 7
3195 ND Rotterdam – Pernis
The Netherlands
Phone: +31- (0)10 - 2941100
Fax: +31- (0)10 - 2941105
E-mail: secretariat@smdg.org
WWW www.smdg.org

Paul Wauters
c/o PSA Antwerp
79 Napelsstraat
Belgium
Phone: +32 3 2607056
Facsimile: +32 3 2606161
E-mail: paul.wauters@globalPSA.com

THE CODECO MESSAGE

FORMAL DEFINITION

"A message by which a terminal, depot, etc. confirms that the containers specified have been delivered or picked up by the inland carrier (road, rail or barge).

"This message can also be used to report internal terminal container movements (excluding loading and discharging the vessel).

"This message is part of a total set of container-related messages. These messages serve to facilitate the intermodal handling of containers by streamlining the information exchange. The business scenario for the container messages is clarified in a separate document, called: 'Guide to the scenario of EDIFACT container messages'."

The '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).

CLARIFICATION

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

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

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

The message is intended for the provision of operational reports, which may be used for the updating of equipment tracking systems. It is not intended as a primary source of commercial information, which is better provided in commercial messages such as the IFTM Set which are exchanged between parties directly associated with commercial (cargo-related) transactions.

This Guideline does, however, provide for the transmission of operational information which will compliment commercial systems and interact seamlessly with EDIFACT commercial messages.

At its April 1997 meeting in Singapore JM4 agreed that the functionality of messages in the Container Message set could be extended to cover break-bulk or non-containerised cargo in situations where both types of cargo are handled in the same operation, and where this could be supported by the particular message. Wording to this effect has been inserted in the "Guide to the UN/EDIFACT Container Messages".

The effect of this decision is to extend the use of CODECO to potentially cover all cargo movements, using the GID group to report breakbulk movements and the EQD Group to report movements of equipment.

USE OF THE EQD GROUP

This guideline provides for the transmission of multiple equipment movements, through repetition of the EQD Group. The design of the CODECO message allows for the reporting of transport details associated with a container at both message level or EQD level.

Where appropriate, main carriage (ie. Ocean transport) details may be specified in the TDT Group at message level. Inland transport details (ie. road, rail or barge) associated with a movement into and out of a facility must always be reported at the EQD level.

The current design of the CODECO message allows for only one repetition of the TDT Group at message level. As a result, only one main carriage (ocean vessel) can be specified for all containers reported in each message at EQD level. Where the message is used to report multiple equipment movements, a facility would therefore be obliged to sort movements according to main carriage before transmission, and send one CODECO per vessel.

This approach does not align with business practice in many regions, including North America and Australia/New Zealand, where gate movements are currently reported on a random one-message-per movement basis without any sorting by main carriage.

It should be noted that the usage of the CODECO outlined in this guideline will be applied in some regions on a one-message-per-movement basis (ie. *only one repetition of the EQD Group)* to facilitate implementation without substantial re-design of established systems. Although the Guideline provides for up to 999 repetitions of the EQD Group, *only one will be used.*

Other regions may choose to adopt a multiple-movement-per-message usage (ie. multiple EQDs), if this aligns with local business practice.

Global users should be aware that these different approaches will be implemented in different regions, and should make allowances accordingly.

Discussions will be held within ITIGG and the JM4 Transport Group towards preparing changes to future versions of the CODECO message which will allow multiple repeats of the TDT Group at message level, and a means of associating each repetition of the EQD Group with a particular main carriage TDT.

Until such time as this process has been completed and the EDIFACT message is enhanced, users are advised to implement according to the principle outlined above.

This does not apply in situations where main carriage is not to be reported. In these cases, multiple repetitions of the EQD Group may be transmitted, provided this aligns with business practice. Global users should, however, be aware that communities in regions where one-message-per-movement already prevails are likely to implement according to this principle even where Main Carriage is not required.

BREAKBULK CARGO

Where the message is to be used to report breakbulk cargo movements, breakbulk cargo items should be identified using the GID Group. If no equipment is associated with the movements being reported, at least one repeat of the EQD in Group 5 is required (because the group is mandatory) with the code “BB” (breakbulk) in DE 8053.

This reflects the fact that this message has been primarily designed to report the movement of containers.

USE OF THE FTX SEGMENT AT EQD LEVEL

In this Guideline the FTX at EQD level has been used for transmission of a variety of coded information, including codes which report on the status of the item of equipment.

This usage has been agreed as a temporary measure until such time as clear industry requirements emerge from live usage of the message, and a number of changes to the CODECO message are completed in future

versions. It is likely that new segments will be inserted in future versions of CODECO, or new codes specified in future versions of the EDIFACT code list, to cover functions performed by the EQD level FTX in this guideline. This is not, however, likely to occur for some years.

Nevertheless users should implement with this in mind.

USE OF THE GID GROUP

The GID Group is designed to provide cargo information, which is in fact a secondary consideration in messages reporting equipment movements. In this guideline it has been made available to provide brief cargo detail where it is required by users.

The GID Group in the CODECO message is not intended to be used as a primary source of information for generation of commercial records such as a ship's manifest. This function is better performed using consignment-based messages (such as the IFTM Set) which are intended for this purpose.

The majority of users will only use the GID Group in the CODECO message for reporting supplementary information, such as temperature or dangerous goods details relating to cargo in a full container or a pre-set setting on an empty container. It is already apparent that these users will therefore not require the GID segment other than as a dummy value to trigger the GID Group. This usage has been provided for in the guideline.

All users should be aware that in the longer term some key segments (such as TMP/RNG and DGS/FTX) may be added to the EQD Group to allow those users who do not require the full GID Group to dispense with the group altogether.

USE OF THE DAM/COD GROUP

The DAM/COD Group can be used at EQD level to detail any damage to an item of equipment, if a detailed inspection has been carried out at the time of the movement being reported. In most cases, however, such a detailed inspection will not be carried out until after a movement has taken place.

In some regions a general indication of damage condition will be transmitted in the FTX under EQD in this message (if damage has been identified at the time of the movement), and that detailed damage information follow later using the DESTIM message, which is designed for this purpose. This approach is likely to be adopted in North America and Australia/New Zealand.

In other regions the DAM/COD Group in the CODECO message may be used for detailed reports. As with the note above regarding the use of the EQD Group, global users should be aware that different approaches will be adopted in different regions.

SEGMENT TABLE of the CODECO MESSAGE

0010	UNH Message header	M 1		Mandatory
0020	BGM Beginning of message	M 1		Mandatory
0030	FTX Free text	C 9		Optional
0040	RFF Reference	C 9		Optional
0050	***Segment group 1***	***C 1***		***Optional***
0060	TDT Details of transport	M 1		Mandatory
0070	RFF Reference	C 9		Optional
0080	LOC Place/location identification	C 9		Optional
0090	DTM Date/time/period	C 9		Optional
0100	***Segment group 2***	***M 9***		***Mandatory***
0110	NAD Name and address	M 1		Mandatory
0120	CTA Contact information	C 9		Optional
0130	***Segment group 3***	***C 999***		***Optional***
0140	GID Goods item details	M 1		Mandatory
0150	HAN Handling instructions	C 9		Optional
0160	FTX Free text	C 9		Required
0170	PIA Additional product id	C 9		Optional
0180	MEA Measurements	C 9		Optional
0190	TMP Temperature	C 9		Dependent
0200	RNG Range details	C 9		Dependent
0210	SGP Split goods placement	C 999		Optional
0220	***Segment group 4***	***C 9***		***Dependent***
0230	DGS Dangerous goods	M 1		Mandatory
0240	FTX Free text	C 9		Required
0250	***Segment group 5***	***M 999***		***Mandatory***
0260	EQD Equipment details	M 1		Mandatory
0270	RFF Reference	C 9		Required
0280	TMD Transport movement details	C 9		Optional
0290	DTM Date/time/period	C 9		Optional
0300	LOC Place/location identification	C 9		Required
0310	MEA Measurements	C 9		Optional
0320	DIM Dimensions	C 9		Optional
	TMP Temperature	**C 9**	**NOT IN D95B**	**By Agreement**
	RNG Range Details	**C 9**	**NOT IN D95B**	**By Agreement**
0330	SEL Seal number	C 9		Optional
0340	FTX Free text	C 9		Dependent
0350	EQA Attached equipment	C 9		Optional
0360	***Segment group 6***	***C 9***		***Optional***
0370	DAM Damage	M 1		Mandatory
0380	COD Component details	C 1		Optional
0390	***Segment group 7***	***C 9***		***Optional***
0400	TDT Details of transport	M 1		Mandatory
0410	LOC Place/location identification	C 1		Optional
0420	DTM Date/time/period	C 1		Optional
0430	NAD Name and address	C 9		Optional
0440	CNT Control total	M 1		Mandatory
0450	UNT Message trailer	M 1		Mandatory

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+2+CODECO:D:95B:UN:ITG13'

Clarification: The UNH segment must always be sent.

Recommendation JM4/201 refers.

M	0062	MESSAGE REFERENCE NUMBER	M an..14
R		*Message Reference Number*	
M	S009	MESSAGE IDENTIFIER	M
M	0065	Message Type Identifier	M an..6
R		*CODECO*	
M	0052	Message Type Version Number	M an..3
		D	
M	0054	Message Type Release Number	M an..3
R		*95B*	
M	0051	Controlling Agency	M an..2
R		*UN*	
R	0057	Association Assigned Code	C an..6
R		*SMDG16 (SMDG Version 1.6)*	
O	0068	COMMON ACCESS REFERENCE	C an..35
R		*Additional Message Reference (if required)*	
X	S010	STATUS OF THE TRANSFER	C

M BGM BEGINNING OF MESSAGE

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+34+123+9'

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		*[AAA]*	*Transport Equipment Movement Report*	
D		*[24]*	*Transport Equipment On-Hire Report*	
D		*[25]*	*Transport Equipment Off-Hire Report*	
D		*[26]*	*Transport Equipment Direct Interchange Report*	
D		***[34]***	***Transport Equipment Gate In Report***	
D		***[36]***	***Transport Equipment Gate Out Report***	
D		*[42]*	*Transport Equipment Shift Rep*	
D		*[44]*	*Transport Equipment Discharge Report **	
D		*[46]*	*Transport Equipment Loading Report **	
D		*[999]*	*Transport Equipment Status Change Report*	
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		*2*	*Addition (add container detail)*	
D		*3*	*Deletion (delete container detail)*	
D		*4*	*Change (change container detail)*	
D		*5*	*Replace (replace whole message)*	
D		*9*	*Original (whole new message)*	
D		*22*	*Final (whole message)*	
D		*31*	*Copy (whole message)*	
D		*33*	*Change in header section*	
D		*36*	*Change in detail section*	
O	4343	RESPONSE TYPE, CODED		C an..3
R		*AB*	*Message Acknowledgment Required*	

NOTE:
The codes [44] and [46] have been included in this guide to cover reports of equipment movements to and from rail (ie. landside). The COARRI message is designed for reporting movements onto and off a vessel (ie. ship side).

O FTX FREE TEXT

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

Message Level: Header
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: FTX+ AAI+++GENERAL INFORMATION'

Clarification: The FTX segment at this level may be sent to provide free text comments or supplementary information, or a coded indication what data is being changed if the message is an amendment to a previous transmission.

Recommendation JM4/206 refers.

M	4451	TEXT SUBJECT QUALIFIER		M an..3
D		*AAI*	*General Information*	
D		*CHG*	*Change Information*	
X	4453	TEXT FUNCTION, CODED		C an..3
D	C107	TEXT REFERENCE		C
R	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*	
X	1131	Code list qualifier		C an..3
X	3055	Code list responsible agency, coded		C an..3
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

Free text relating to the whole message (if 4451 = AAI)

X	3453	LANGUAGE, CODED	C an..3

O RFF REFERENCE

Segment Function: To specify a reference

Message Level: Header
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: RFF+ACW:1928'

Clarification: The RFF at this level is used to transmit references which apply to the whole message, and which link the message to earlier messages, orders or authorisations which relate to the equipment movement.

Recommendation JM4/208 sets out a methodology for use of the segment.

M	C506	REFERENCE		M
M	1153	Reference qualifier		M an..3
D		*ACW*	*Reference to a previous message*	
D		*[CAO]*	*Acceptance Order Reference*	
D		*[REO]*	*Release Order Reference*	
R	1154	Reference number		C an..35
R		*Reference Number*		
X	1156	Line number		C an..6
X	4000	Reference version number		C an..35

O SEGMENT GROUP 1 - TDT

Group Function: A group of segments to indicate information regarding the main carriage.

Group Repeats: 1
Group Status: Conditional
Group Usage: Optional

Clarification: The TDT Group at this level identifies the main (ocean) carriage details for all items of equipment in the message, where this is applicable. Where main carriage details are not relevant or not known at the time of the reported movement, the segment is not required at this level.

Recommendation JM4/210 refers.

M TDT TRANSPORT DETAILS

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+20+S263+1++BSL:172:87+++768931:146::VESSEL NAME'

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

Recommendation JM4/211 refers.

M	8051	TRANSPORT STAGE QUALIFIER		M an..3
R		*20*	*Main Carriage (ocean transport)*	
O	8028	CONVEYANCE REFERENCE NUMBER		C an..17
R		*Vessel Operator's Voyage Number*		
R	C220	MODE OF TRANSPORT		C
R	8067	Mode of transport, coded		C an..3
R		*1*	*Maritime Transport (ocean)*	
X	8066	Mode of transport		C an..17

O	C228	TRANSPORT MEANS		C
O	8179	Type of means of transport identification		C an..8
		1	*Barge chemical tanker*	
		2	*Coaster chemical tanker*	
		3	*Dry bulk carrier*	
		4	*Deep sea chemical tanker*	
		5	*Gas tanker*	
		9	*Exceptional transport*	
		11	*Ship (for feeder vessels)*	
		12	*Ship tanker*	
		13	*Ocean Vessel*	
		21	*Rail tanker*	
		22	*Rail silo tanker*	
		23	*Rail bulk car*	
		25	*Rail express*	
		31	*Truck*	
		33	*Road silo tanker*	
		35	*Truck/trailer with tilt*	
O	8178	Type of means of transport		C an..17
R		*Type of Means of Transport (free text)*		
O	C040	CARRIER		C
O	3127	Carrier identification		C an..17
R		*Carrier code*		
O	1131	Code list qualifier		C an..3
R		*172*	*Carrier Code*	
O	3055	Code list responsible agency, coded		C an..3
D		*20*	*BIC*	
D		*87*	*Assigned by Carrier*	
D		*166*	*UN NMFCA (SCAC)*	
D		*184*	*ACOS*	
O	3128	Carrier name		C an..35
R		*Carrier name (free text)*		
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		*Call Sign (if 8067 = 1 and C222/1131 = 103)*		
D		*Lloyd's Number (if 8067 = 1 and C222/1131 = 146)*		
O	1131	Code list qualifier		C an..3
D		*103*	*Call Sign Directory (8213 = call sign)*	
D		*146*	*Means of Transport Identification (8213 <> call sign)*	
O	3055	Code list responsible agency, coded		C an..3
D		*11*	*Lloyd's Register*	
D		*ZZZ*	*Mutually Agreed*	
O	8212	Id. of the means of transport		C an..35
R		*Name of Means of Transport (free text)*		
O	8453	Nationality of means of transport, coded		C an..3
R		*Flag of Means of Transport (Lloyd's Flag Table or ISO country code)*		
X	8281	TRANSPORT OWNERSHIP, CODED		C an..3

O RFF REFERENCE

Segment Function: To specify a reference

Message Level: Group 1
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: RFF+VON:N23'

Clarification: The RFF at this level is used to transmit voyage numbers where an alternative number is used in addition to that quoted in the preceding TDT.

Recommendation JM4/212 sets out a methodology for use of the segment.

M	C506	REFERENCE			M
M	1153	Reference qualifier			M an..3
R			*VON*	*Voyage Number (alternative)*	
D			*[SSX]*	*Ships Stay Reference*	
R	1154	Reference number			C an..35
R			*Alternative voyage number*		
X	1156	Line number			C an..6
X	4000	Reference version number			C an..35

O LOC PLACE/LOCATION IDENTIFICATION

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+9+USOAK:139:6'

Clarification: The LOC at this level identifies locations associated with the main carriage.

Recommendation JM4/213 refers.

M	3227	PLACE/LOCATION QUALIFIER			M an..3
D			*7*	*Place of Delivery*	
D			*8*	*Place of Destination*	
D			*9*	*Place/port of Loading (Operational Port of Loading)*	
D			*11*	*Place/port of discharge (Operational Port of Discharge)*	
D			*33*	*Baseport of discharge*	
D			*34*	*Baseport of loading*	
D			*88*	*Place of Receipt*	
R	C517	LOCATION IDENTIFICATION			C
O	3225	Place/location identification			C an..25
D			*UN LOCODE*		
D			*EAN Location Code*		
D			*US Census Code*		
O	1131	Code list qualifier			C an..3
R			*139*	*Port*	
O	3055	Code list responsible agency, coded			C an..3
D			*6*	*UN/ECE (UN LOCODE)*	
D			*9*	*EAN*	
D			*112*	*US Census*	
O	3224	Place/location			C an..70
R			*Place/port (free text)*		

O	C519	RELATED LOCATION ONE IDENTIFICATION		C
O	3223	Related place/location one identification		C an..25
R		*Related Location Code*		
O	1131	Code list qualifier		C an..3
D		*[BER]*	*Berths*	
D		*[WHA]*	*Wharves*	
D		*[TER]*	*Terminals*	
D		*[GAT]*	*Gates*	
D		*[WAR]*	*Warehouses*	
D		*[CNE]*	*Consignee's Premises*	
D		*[CNR]*	*Consignor's Premises*	
D		*[PAC]*	*Packing/unpacking facilities*	
D		*[STO]*	*Storage facilities*	
D		*[REP]*	*Repair facilities*	
O	3055	Code list responsible agency, coded		C an..3
D		*9*	*EAN*	
D		*184*	*ACOS*	
D		*ZZZ*	*Mutually Agreed*	
O	3222	Related place/location one		C an..70
R		*Related Location (free text)*		
O	C553	RELATED LOCATION TWO IDENTIFICATION		C
O	3233	Related place/location two identification		C an..25
R		*Related Location Code*		
O	1131	Code list qualifier		C an..3
D		*[BER]*	*Berths*	
D		*[WHA]*	*Wharves*	
D		*[TER]*	*Terminals*	
D		*[GAT]*	*Gates*	
D		*[WAR]*	*Warehouses*	
D		*[CNE]*	*Consignee's Premises*	
D		*[CNR]*	*Consignor's Premises*	
D		*[PAC]*	*Packing/unpacking facilities*	
D		*[STO]*	*Storage facilities*	
D		*[REP]*	*Repair facilities*	
O	3055	Code list responsible agency, coded		C an..3
D		*9*	*EAN*	
D		*184*	*ACOS*	
D		*ZZZ*	*Mutually Agreed*	
O	3232	Related place/location two		C an..70
R		*Related Location (free text)*		
X	5479	RELATION, CODED		C an..3

O DTM DATE/TIME PERIOD

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

Message Level: Group 1
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: DTM+178:199712241200:203'

Clarification: The DTM at this level is used to report dates and times relating to the vessel/voyage in the TDT.

Recommendation JM4/214 refers.

M	C507	DATE/TIME/PERIOD			M
M	2005	Date/time/period qualifier			M an..3
D			*133*	*Departure date/time, estimated*	
D			*178*	*Arrival date/time, actual*	
R	2380	Date/time/period			C an..35
R			*Date/time*		
R	2379	Date/time/period format qualifier			C an..3
D			*203*	*CCYYMMDDHHMM*	

M SEGMENT GROUP 2 - NAD/CTA

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+CN+CODE:160:87’
Clarification:	The NAD segment at this level must always be sent. It identifies parties associated with all the equipment movements reported in the message. Recommendation JM4/217 refers.

M	3035 PARTY QUALIFIER		M an..3
D		*[RY]*	*Repair Facility*
D		*[SLS]*	*Shipping Line Service*
D		*AG*	*Agent/representative*
D		*BT*	*Party to be billed to*
D		*CA*	*Carrier*
D		*CF*	*Container operator/lessee*
D		*CG*	*Carrier’s agent*
D		*CL*	*Container location party*
D		*CN*	*Consignee*
D		*CR*	*Empty Return party*
D		*CZ*	*Consignor*
D		*EO*	*Owner of Equipment*
D		*FW*	*Freight Forwarder*
D		*GA*	*Road Carrier*
D		*GF*	*Container Slot Operator*
D		*GT*	*Rail Carrier*
D		*MR*	*Message Recipient*
D		*MS*	*Document/message issuer/sender (minimum requirement)*
D		*NI*	*Notify Party*
D		*OY*	*Ordering Customer*
D		*SF*	*Ship From*
D		*ST*	*Ship To*
D		*WPA*	*Weighing party* ***Party designated (legally accepted) to obtain the weight (applies for both SOLAS method 1and 2)***

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
D		*100*	*Enhanced party ID (Duns plus 4)*	
D		*160*	*Party Identification*	
D		*172*	*Carrier Code*	
		72	*Container Terminal*	
			In case Container Terminal obtained the verified gross mass (weight)	
O	3055	Code list responsible agency, coded		C an..3
D		*7*	*CEFIC*	
D		*9*	*EAN*	
D		*10*	*ODETTE*	
D		*16*	*DUNS*	
D		*20*	*BIC*	
D		*87*	*Assigned by carrier*	
D		*163*	*UN FMC (US freight forwarders)*	
D		*166*	*US NMFCA (SCAC)*	
D		*184*	*Australian Chamber of Shipping*	
D		*[SMD]*	*SMDG (Shipplanning Message Development Group)*	
			Temporary code	
D		*ZZZ*	*Mutually defined*	
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
R		*Name & address*		
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
X	3045	Party name format, coded		C an..3
R		*Party Name*		
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
R		*Street Address*		
D	3164	CITY NAME		C an..35
R		*City*		
D	3229	COUNTRY SUB-ENTITY IDENTIFICATION		C an..9
R		*State/province*		
D	3251	POSTCODE IDENTIFICATION		C an..9

R		*Post Code*		
D	3207	COUNTRY, CODED		C an..3
R		*ISO Country Code*		

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+IC+:FRED BLOGGS'

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	*IC*	*Information Contact*
O	*BN*	*Certification contact* ***Weighing responsible (in case of WPA)***

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	*Contact name (in case of IC)*
O	*Department/Person responsible for obtaining a Transport equipment verified gross mass (weight) (in case of BN)*

O SEGMENT GROUP 3 - GID

Group Function: A group of segments to describe the goods.

Group Repeats: 999
Group Status: Conditional
Group Usage: Optional

Clarification: The GID Group may be used to provide goods or cargo detail related to an item of equipment where this is required by the receiving party.

Recommendation JM4/227 refers.

M GID GOODS ITEM DETAILS

Segment Function: To indicate totals for a goods item.

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

Clarification: The GID segment must always be sent if Group 3 is used. Some users may wish to use a dummy value in DE 1496 in order to access other segments in the GID Group (such as the TMP or TGS) which do not appear at the EQD level.

Recommendation JM4/228 refers.

R	1496	GOODS ITEM NUMBER	C n..5
D		*Goods Item Number*	
D		*1 Dummy value (see note above)*	
O	C213	NUMBER AND TYPE OF PACKAGES	C
R	7224	Number of packages	C n..8
R		*Number of packages*	
O	7065	Type of packages identification	C an..17
R		*UN Package Code (UN/ECE Recommendation 21)*	
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		*Type of packages (free text)*	
X	C213	NUMBER AND TYPE OF PACKAGES	C
X	7224	Number of packages	C n..8
X	7065	Type of packages identification	C an..17
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	C	n..8
X	7065	Type of packages identification	C	an..17
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

O HAN HANDLING INSTRUCTIONS

Segment Function: To specify handling instructions.

Message Level: Group 3
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: HAN+79:130:184'

Clarification: The HAN allows for coded or free text handling instructions relating to the goods item.

Recommendation JM4/232 refers.

R	C524	HANDLING INSTRUCTIONS		C	
O	4079	Handling instructions, coded		C	an..3
R		*Coded handling instructions*			
O	1131	Code list qualifier		C	an..3
R		*130*	*Special handling*		
O	3055	Code list responsible agency, coded		C	an..3
D		*9*	*EAN*		
D		*184*	*ACOS*		
O	4078	Handling instructions		C	an..70
R		*Free text handling instructions*			
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

R FTX FREE TEXT

Segment Function: To provide free form or coded information.

Message Level: Group 3
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Required
Sample Segment: FTX+AAA+++GOODS DESCRIPTION'

Clarification: The FTX at this level provides a free text goods description.

Recommendation JM4/233 refers.

M	4451	TEXT SUBJECT QUALIFIER		M an..3
R		*AAA*	*Goods Description*	
O		*MKS*	*Marks & Numbers*	
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
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
		Goods Description (free text)		
X	3453	LANGUAGE, CODED		C an..3

O PIA ADDITIONAL PRODUCT ID

Segment Function: To specify product identification codes

Message Level: Group 3
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: PIA+1+123:HS'

Clarification: The FTX at this level may be used for a commodity code.

Recommendation JM4/236 refers.

M	4347	PRODUCT ID. FUNCTION QUALIFIER		M an..3
D		*1*	*Additional identification*	
D		*5*	*Product Identification*	
M	C212	ITEM NUMBER IDENTIFICATION		M
R	7140	Item number		C an..35
R		*Item Number*		
O	7143	Item number type, coded		C an..3
D		*HS*	*Harmonised System (if 4347 = 1)*	
D		*EN*	*EAN*	
X	1131	Code list qualifier		C an..3
X	3055	Code list responsible agency, coded		C an..3
X	C212	ITEM NUMBER IDENTIFICATION		C
X	C212	ITEM NUMBER IDENTIFICATION		C
X	C212	ITEM NUMBER IDENTIFICATION		C
X	C212	ITEM NUMBER IDENTIFICATION		C

O MEA MEASUREMENTS

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

Message Level: Group 3
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: MEA+AAE+G+KGM:3.0'

Clarification: The MEA at this level reports measurements related to the goods item.

Recommendation JM4/237 refers.

M	6311	MEASUREMENT APPLICATION QUALIFIER		M an..3
R		*AAE*	*Measurement*	
R	C502	MEASUREMENT DETAILS		C
R	6313	Measurement dimension, coded		C an..3
D		*ABJ*	*Volume*	
D		*G*	*Gross Weight*	
D		*T*	*Tare Weight*	
D		*WT*	*Weight*	
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
M	6411	Measure unit qualifier		M an..3
D		*LBR*	*Pounds*	
D		*KGM*	*Kilogram*	
D		*FTQ*	*Cubic Feet*	
D		*MTQ*	*Cubic metres*	
R	6314	Measurement value		C n..18
R		*Weight or cubic displacement of the cargo*		
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

D TMP TEMPERATURE

Segment Function: To specify the temperature setting

Message Level: Group 3
Segment Repeats: 9
Segment Status: Conditional.
Segment Usage: Dependent
Sample Segment: TMP+2+1.0:CEL'

Clarification: The TMP should always be sent where temperature-sensitive cargo is carried in an item of equipment. If a temperature range is to be specified, the TMP should be used in conjunction with the RNG segment - in this case only DE 6245 of the TMP should be used, and the temperature range should be specified in the RNG. If a single temperature setting is to be specified, C239 in the TMP should be used.

Recommendation JM4/239 refers.

M	6245	TEMPERATURE QUALIFIER		M an..3
R		*2*	*Transport Temperature*	
D	C239	TEMPERATURE SETTING		C
R	6246	Temperature setting		C n3
R		*Temperature setting*		
R	6411	Measure unit qualifier		C an..3
D		*CEL*	*Celsius*	
D		*FAH*	*Fahrenheit*	

D RNG RANGE DETAILS

Segment Function: To identify a range.

Message Level: Group 3
Segment Repeats: 9
Segment Status: Conditional.
Segment Usage: Optional.
Sample Segment: RNG+5+CEL:0.5:1.5'

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

Recommendation JM4/240 refers.

M	6167	RANGE TYPE QUALIFIER			M an..3
R			*5*	*Temperature Range*	
R	C280	RANGE			C
M	6411	Measure unit qualifier			M an..3
D			*CEL*	*Celsius*	
D			*FAH*	*Fahrenheit*	
R	6162	Range minimum			C n..18
R			*Minimum temperature*		
R	6152	Range maximum			C n..18
R			*Maximum temperature*		

O SGP SPLIT GOODS PLACEMENT

Segment Function:	To specify the placement of goods in relation to equipment.
Message Level:	Group 3
Segment Repeats:	999
Segment Status:	Conditional
Segment Usage:	Optional.
Sample Segment:	SGP+ANNU7631542:23’
Clarification:	The SGP segment is used to link a goods item to a particular item of equipment detailed in the EQD group. Recommendation JM4/247 refers.

M	C237	EQUIPMENT IDENTIFICATION	M
R	8260	Equipment identification number	C an..17
R		*Equipment number (as it appears in the relevant EQD segment)*	
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
R		*Number of packages stowed in the item of equipment.*	

D SEGMENT GROUP 4 - DGS

Group Function: A group of segments to specify dangerous goods details related to a goods item.

Group Repeats: 9
Group Status: Conditional.
Group Usage: Dependent

Clarification: This group of segments should always be sent if dangerous goods are carried in an item of equipment.

Recommendation JM4/249 refers.

M DGS DANGEROUS GOODS

Segment Function: To identify dangerous goods

Message Level: Group 4
Segment Repeats: 1
Segment Status: Mandatory
Segment Usage: Mandatory
Sample Segment: DGS+IMD+8:135+1733+140:CEL+2'

Clarification: The DGS segment must always be sent if Group 4 is used.

Recommendation JM4/250 refers.

R	8273	DANGEROUS GOODS REGULATIONS, CODED		C an..3
D		*[ADN]*	*Inland Waterways DG book (ADNR)*	
D		*ADR*	*European Road Transport Agreement on DG*	
D		*CFR*	*49 Code of Federal Regulations*	
D		*IMD*	*IMO IMDG Code*	
D		*RID*	*Road/Rail DG Book*	
R	C205	HAZARD CODE		C
M	8351	Hazard code identification		M an..7
D		*IMDG Class Number*		
D		*IMDG Sub-Class Number*		
D		*RID Class Number*		
D		*CFR49 Codes*		
O	8078	Hazard substance/item/page number		C an..7
R		*IMDG Code page number*		
O	8092	Hazard code version number		C an..10
R		*IMDG Code Version number*		
O	C234	UNDG INFORMATION		C
R	7124	UNDG number		C n4

R			*UNDG Number*		
X	7088	Dangerous goods flashpoint		C	an..8
D	C223	DANGEROUS GOODS SHIPMENT FLASHPOINT		C	
R	7106	Shipment flashpoint		C	n3
R			*Flashpoint*		
R	6411	Measure unit qualifier		C	an..3
D			*CEL* *Celsius*		
D			*FAH* *Fahrenheit*		
O	8339	PACKING GROUP, CODED		C	an..3
D			*1* *Great Danger (= I)*		
D			*2* *Medium Danger (= II)*		
D			*3* *Minor Danger (= III)*		
O	8364	EMS NUMBER		C	an..6
R			*EMS Number*		
O	8410	MFAG		C	an..4
R			*MFAG Number*		
O	8126	TREM CARD NUMBER		C	an..10
R			*TREM Card Number*		
O	C235	HAZARD IDENTIFICATION		C	
O	8158	Hazard identification number, upper part		C	an..4
R			*Hazard ID, upper part*		
O	8186	Substance identification number, lower part		C	an4
R			*Hazard ID, lower part*		
O	C236	DANGEROUS GOODS LABEL		C	
O	8246	Dangerous goods label marking		C	an..4
R			*DG Label Marking 1*		
O	8246	Dangerous goods label marking		C	an..4
R			*DG Label Marking 2*		
O	8246	Dangerous goods label marking		C	an..4
R			*DG Label Marking 3*		
O	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

R FTX FREE TEXT

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

Message Level: Group 4
Segment Repeats: 9
Segment Status: Conditional.
Segment Usage: Required.
Sample Segment: FTX+AAD++TECHNICAL NAME'

Clarification: The FTX at this level should always be sent at least once to specify the technical name of the dangerous goods described in the preceding DGS segment

Recommendation JM4/251 refers.

M	4451	TEXT SUBJECT QUALIFIER		M an..3
D		*AAC*	*Dangerous Goods Additional Information*	
R		*AAD*	*Dangerous Goods Technical Name (minimum requirement)*	
X	4453	TEXT FUNCTION, CODED		C an..3
D	C107	TEXT REFERENCE		C
M	4441	Free text, coded		M an..3
D		*P*	*Marine Pollutant*	
D		*PP*	*Severe Marine Pollutant*	
X	1131	Code list qualifier		C an..3
X	3055	Code list responsible agency, coded		C an..3
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
D		*Dangerous Goods Technical Name (4451 = AAD)*		
D		*Exterior Placard Label (4451 = AAC)*		
X	3453	LANGUAGE, CODED		C an..3

M SEGMENT GROUP 5 - EQD

Group Function:	A group of segments to specify containers in which goods are transported.
Group Repeats:	999
Group Status:	Mandatory
Group Usage:	Mandatory
Clarification:	Group 5 must always be sent in the CODECO message.
	Recommendation JM4/259 refers.

M EQD EQUIPMENT DETAILS

Segment Function:	To identify a unit of equipment.
Message Level:	Group 5
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	EQD+CN+ANNU2341234+2020:102:5+2+2+5’
Clarification:	The EQD segment must always be sent.
	Recommendation JM4/260 refers.

M	8053	EQUIPMENT QUALIFIER		M an..3
D		*[BB]*	*Breakbulk*	
D		*CH*	*Chassis*	
D		*CN*	*Container*	
D		*RG*	*Reefer Generator*	
D		*SW*	*Swap Body*	
D		*TE*	*Trailer*	
D	C237	EQUIPMENT IDENTIFICATION		C
R	8260	Equipment identification number		C an..17
D		*Equipment (Unit) Number*		
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
O	8155	Equipment size and type identification		C an..10
R		*Size/type code*		
O	1131	Code list qualifier		C an..3
R		*102*	*Size and type*	
O	3055	Code list responsible agency, coded		C an..3
D		*5*	*ISO (for containers)*	
D		*12*	*UIC*	
O	8154	Equipment size and type	C an..35	
R		*Size/type (free text)*		
O	8077	EQUIPMENT SUPPLIER, CODED		C an..3
D		*1*	*Shipper Supplied*	
D		*2*	*Carrier Supplied*	
D		*3*	*Third Party Supplied*	
O	8249	EQUIPMENT STATUS, CODED		C an..3
D		*1*	*Continental*	
D		*2*	*Export*	
D		*3*	*Import*	
D		*6*	*Transhipment*	
O	8169	FULL/EMPTY INDICATOR, CODED		C an..3
D		*4*	*Empty*	
D		*5*	*Full*	
D		*6*	*No volume available (unknown)*	

R RFF REFERENCES

Segment Function: A segment to specify the identifying number associated with the container, such as:
- container sequence number
- booking reference number (sea)

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Required
Sample Segment: RFF+CN:12345'

Clarification: The RFF at this level is used to specify reference numbers related to the item of equipment.

Recommendation JM4/261 refers.

R		C506	REFERENCE	M	
R	1153		Reference qualifier	M	an..3

D	*[ANN]*	*Transport Equipment Announcement Number*
D	*[VLN]*	*Vehicle Licence Number*
D	*AAE*	*Goods Declaration Number **
D	*AAO*	*Consignee's shipment reference number*
D	*AHI*	*Carrier's Agent's Release Number*
D	*BN*	*Booking Reference Number*
D	*CN*	*Carrier's Reference Number*
D	*CT*	*Contract No*
D	*CV*	*Container Operator's Reference No*
D	*DR*	*Dock Receipt Number*
D	*RE*	*Release Number*
D	*SQ*	*Container Sequence Number*
D	*TF*	*Transfer Number*
D	*VN*	*Order Number (vendor)*
D	*VT*	*Motor Vehicle Identification Number*
D	*UCN*	*Unique Consignment Number*
D	*ER*	*Container/equipment Receipt Number*
D	*[SMA]*	*Smartcard Number*
D	*[BU]*	*Equipment Bundle ID Number (stacked flatracks)*
D	*VGR*	*Transport equipment gross mass verification reference number* ***Code as available from version D.15B*** ***Identification reference to documentation of transport equipment gross mass (weight) verification***
D	*VOR*	*Transport equipment gross mass verification order reference number* ***Code as available from version D.15B:*** ***A specific Transport equipment gross mass (weight) verification order send by the customer/shipping line (response to COHAOR)***

R	1154		Reference number	C	an..35

R	*Reference number*	

X	1156		Line number	C	an..6
X	4000		Reference version number	C	an..35

NOTE:
Code values marked with * are not currently in Recommendation JM4/261, but have been proposed for inclusion.

O TMD TRANSPORT MOVEMENT DETAILS

Segment Function: To specify transport movement details for a goods item or equipment.

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: TMD+2'

Clarification: The TMD may be used to report transport movement details for the item of equipment in the EQD.

Recommendation JM4/263 refers.

R	C219	MOVEMENT TYPE		C
R	8335	Movement type, coded		C an..3
D		*2*	*LCL/LCL (= PP = CFS/CFS)*	
D		*3*	*FCL/FCL (= HH = CY/CY)*	
D		*4*	*FCL/LCL (= HP = CY/CFS)*	
D		*5*	*LCL/FCL (= PH = CFS/CY)*	
X	8334	Movement type		C an..35
X	8332	EQUIPMENT PLAN		C an..26
X	8341	HAULAGE ARRANGEMENTS, CODED		C an..3

O DTM DATE/TIME PERIOD

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

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Required
Sample Segment: DTM+7:199712241200:203'

Clarification: The DTM at this level is used to report dates and times relating to the item of equipment.

Recommendation JM4/265 refers.

M	C507	DATE/TIME/PERIOD			M
M	2005	Date/time/period qualifier			M an..3
D			*7*	*Effective Date/time*	
D			*36*	*Expiry date (date license expires)*	
D			*94*	*Manufacture Date*	
D			*181*	*Positioning date*	
D			*201*	*Pickup date/time of equipment (actual)*	
D			*371*	*Hydrotest Date*	
D			*376*	*Bi-annual Terminal Inspection Date*	
D			*377*	*Federal Highway Administration (FHWA) Inspection date*	
D			*378*	*Container Safety Convention (CSC) Inspection date*	
D			*379*	*Periodic Inspection Date*	
D			*798*	*Verified gross mass determination date/time* ***Code as available from version D.15B:*** ***Date/Time when a gross mass (weight) of a packed container was obtained for verification according to SOLAS chapter VI, regulation 2, paragraphs 4-6***	
R	2380	Date/time/period			C an..35
R			*Date/time*		
R	2379	Date/time/period format qualifier			C an..3
D			*102*	*CCYYMMDD*	
D			*203*	*CCYYMMDDHHMM*	
D			*303*	*CCYYMMDDHHMMZZZ*	
D			*718*	*CCYYMMDD-CCYYMMDD (dash is not transmitted)*	

R LOC LOCATION

Segment Function:	A segment to specify ports/locations associated with the transport of a container, such as: - stowage cell - place of discharge
Message Level:	Group 5
Segment Repeats:	9
Segment Status:	Conditional
Segment Usage:	Required
Sample Segment:	LOC+165+USOAK:139:6+TERMINAL:TER:ZZZ+GATE1:GAT:ZZZ’
Clarification:	The LOC segment at this level is used to report locations which relate to the movement of the item of equipment. Recommendation JM4/266 refers.

M	3227	PLACE/LOCATION QUALIFIER		M an..3
D		*8*	*Place of Destination*	
D		*9*	*Operational Port of loading*	
D		*11*	*Operational Port of discharge*	
D		*76*	*Original Port of loading*	
D		*147*	*Stowage Cell*	
D		*164*	*Final Port of Destination*	
D		*[165]*	*Activity Location*	
R	C517	LOCATION IDENTIFICATION		C
O	3225	Place/location identification		C an..25
D		*UN LOCODE*		
D		*Stowage cell*		
D		*EAN Location Code*		
O	1131	Code list qualifier		C an..3
R		*139*	*Port*	
O	3055	Code list responsible agency, coded		C an..3
D		*5*	*ISO (stowage cell)*	
D		*9*	*EAN*	
D		*6*	*UN/ECE (UN LOCODE)*	
D		*112*	*US Census*	
O	3224	Place/location		C an..17
R		*Place/port (free text)*		

O	C519	RELATED LOCATION ONE IDENTIFICATION		C
O	3223	Related place/location one identification		C an..25
R		*Related Location Code*		
O	1131	Code list qualifier		C an..3
D		*[BER]*	*Berths*	
D		*[WHA]*	*Wharves*	
D		*[TER]*	*Terminals*	
D		*[GAT]*	*Gates*	
D		*[WAR]*	*Warehouses*	
D		*[CNE]*	*Consignee's Premises*	
D		*[CNR]*	*Consignor's Premises*	
D		*[PAC]*	*Packing/unpacking facilities*	
D		*[STO]*	*Storage facilities*	
D		*[REP]*	*Repair facilities*	
O	3055	Code list responsible agency, coded		C an..3
D		*9*	*EAN*	
D		*184*	*ACOS*	
D		*ZZZ*	*Mutually Agreed*	
O	3222	Related place/location one		C an..70
R		*Related Location (free text)*		
O	C553	RELATED LOCATION TWO IDENTIFICATION		C
O	3233	Related place/location two identification		C an..25
R		*Related Location Code*		
O	1131	Code list qualifier		C an..3
D		*[BER]*	*Berths*	
D		*[WHA]*	*Wharves*	
D		*[TER]*	*Terminals*	
D		*[GAT]*	*Gates*	
D		*[WAR]*	*Warehouses*	
D		*[CNE]*	*Consignee's Premises*	
D		*[CNR]*	*Consignor's Premises*	
D		*[PAC]*	*Packing/unpacking facilities*	
D		*[STO]*	*Storage facilities*	
D		*[REP]*	*Repair facilities*	
O	3055	Code list responsible agency, coded		C an..3
D		*9*	*EAN*	
D		*184*	*ACOS*	
D		*ZZZ*	*Mutually Agreed*	
O	3232	Related place/location two		C an..70
R		*Related location (free text)*		
X	5479	RELATION, CODED		C an..3

O MEA MEASUREMENTS

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

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: MEA+AAE+T+KGM:15'

Clarification: The MEA segment at this level is used to report weights which relate to the equipment.

Recommendation JM4/267 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		*[EGW]*	*Gross Weight (including carrier's equipment)*	
D		*AAL*	*Actual Net Weight*	
D		*AAW*	*Gross Volume (maximum cubic capacity)*	
D		*ABJ*	*Volume*	
D		*G*	*Gross Weight (excluding carrier's equipment)*	
D		*MW*	*Maximum Weight (maximum CSC gross weight)*	
D		*T*	*Tare Weight*	
D		*VGM*	*Transport Equipment Verified Gross Mass (Weight)* ***Code as available from version D.15B:*** ***Transport equipment's gross mass (weight) verified according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6***	
X	6321	Measurement significance, 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		*CMT*	*Centimetres*	
D		*INH*	*Inches*	
D		*KGM*	*Kilogram*	
D		*MTQ*	*Cubic metres*	
D		*LBR*	*Pounds*	
R	6314	Measurement value		C n..18
R		*Weight, volume or dimension*		
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 DIM DIMENSIONS

Segment Function: To specify dimensions.

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: DIM+5+INH:240:96:102’

Clarification: The DIM segment at this level is used where dimensions exceed those of the standard reported in the preceding EQD. It relates to out-of-gauge cargo with the equipment in or on which it is carried.

Recommendation JM4/268 refers.

M	6145	DIMENSION QUALIFIER			M an..3
D			*1*	*Gross Dimensions*	
D			*5*	*Off-standard dimension front*	
D			*6*	*Off-standard dimension back*	
D			*7*	*Off-standard dimension right*	
D			*8*	*Off-standard dimension left*	
D			*9*	*Off-standard dimension general*	
D			*10*	*External equipment dimension*	
M	C211	DIMENSIONS			M
M	6411	Measure unit qualifier			M an..3
D			*CMT*	*Centimetres*	
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*		

D TMP TEMPERATURE

Segment Function: To specify the temperature setting

Message Level: Group 3 **(Not in D95B. DMRs will be lodged to add the TMP at this level)**
Segment Repeats: 9
Segment Status: Conditional.
Segment Usage: Dependent
Sample Segment: TMP+2+01.0:CEL'

Clarification: The TMP should always be sent where temperature-sensitive cargo is carried in an item of equipment. If a temperature range is to be specified, the TMP should be used in conjunction with the RNG segment - in this case only DE 6245 of the TMP should be used, and the temperature range should be specified in the RNG. If a single temperature setting is to be specified, C239 in the TMP should be used.

Recommendation JM4/269 refers.

M	6245	TEMPERATURE QUALIFIER		M an..3
R		*2*	*Transport Temperature*	
D	C239	TEMPERATURE SETTING		C
R	6246	Temperature setting		C n3
R		*Temperature setting*		
R	6411	Measure unit qualifier		C an..3
D		*CEL*	*Celsius*	
D		*FAH*	*Fahrenheit*	

D RNG RANGE DETAILS

Segment Function: To identify a range.

Message Level: Group 3 **(Not in D95B. DMrs will be lodged to add the RNG at this level)**
Segment Repeats: 9
Segment Status: Conditional.
Segment Usage: Optional.
Sample Segment: RNG+5+CEL:0.5:1.5'

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

Recommendation JM4/270 refers.

M	6167	RANGE TYPE QUALIFIER			M an..3
R			*5*	*Temperature Range*	
R	C280	RANGE			C
M	6411	Measure unit qualifier			M an..3
D			*CEL*	*Celsius*	
D			*FAH*	*Fahrenheit*	
R	6162	Range minimum			C n..18
R			*Minimum temperature*		
R	6152	Range maximum			C n..18
R			*Maximum temperature*		

O SEL SEAL NUMBER

Segment Function: To specify a seal number related to the equipment

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: SEL+239465GHHJ+CA+1'

Clarification: The SEL segment should be used whenever seal information is required by the receiving party.

Recommendation JM4/271 refers.

M	9308	SEAL NUMBER		M an..10
R		*Seal number*		
O	C215	SEAL ISSUER		C
R	9303	Sealing party, coded		C an..3
D		*[QA]*	*Quarantine*	
D		*CA*	*Carrier*	
D		*CU*	*Customs*	
D		*SH*	*Shipper*	
D		*TO*	*Terminal Operator*	
D		*AA*	*Consolidator*	
D		*AB*	*Unknown*	
X	1131	Code list qualifier		C an..3
X	3055	Code list responsible agency, coded		C an..3
O	9302	Sealing party		C an..35
R		*Sealing party, free text*		
O	4517	SEAL CONDITION, CODED		C an..3
D		*1*	*In right condition*	
D		*2*	*Damaged*	

D FTX FREE TEXT

Function: To provide free form or coded text information.

Message Level: Group 5
Segment Repeats: 9
Segment Status: Conditional
Segment Usage: Required
Sample Segment: FTX+AAI+++GENERAL INFORMATION'

Clarification: The FTX segment at this level is used to provide a variety of coded or free text information related to the item of equipment.

Recommendation JM4/272 refers.

M	4451	TEXT SUBJECT QUALIFIER		M an..3
D		*AAI*	*General Information (free text)*	
D		*ACF*	*Additional attribute info. (construction material)*	
D		*ABS*	*Additional conditions (status conditions)*	
D		*[CSC]*	*CSC Information*	
D		*DAR*	*Damage Remarks (minimum requirement)*	
D		*HAN*	*Handling Instructions*	
D		*OSI*	*Other Service Information*	
X	4453	TEXT FUNCTION, CODED		C an..3
D	C107	TEXT REFERENCE		C
M	4441	Free text, coded		M an..3
R		*Code as per Recommendation JM4/272. – See appendix A and B.*		
		See Appendix for more information and provisions for SOLAS VGM methods !		
O	1131	Code list qualifier		C an..3
D		*130*	*Special Handling (if 4451 = HAN)*	
D		*ZZZ*	*Mutually Agreed*	
O	3055	Code list responsible agency, coded		C an..3
D		*5*	*ISO*	
D		*184*	*ACOS*	
D		*SMD*	*SMDG*	
D	C108	TEXT LITERAL		C
M	4440	Free text		M an..70
		See Recommendation JM4/272		
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
X	3453	LANGUAGE, CODED		C an..3

O EQA ATTACHED EQUIPMENT

Segment Function:	To specify attached or related equipment.
Message Level:	Group 5
Segment Repeats:	9
Segment Status:	Conditional
Segment Usage:	Optional
Sample Segment:	EQA+AB+2695’
Clarification:	The EQA may be used to identify any secondary equipment attached to the item specified in the preceding EQD segment. Recommendation JM4/275 refers.

M	8053	EQUIPMENT QUALIFIER			M an..3
D			*AB*	*Chain*	
D			*AD*	*Temperature probe*	
D			*BL*	*Blocks*	
D			*BR*	*Barge*	
D			*CH*	*Chassis*	
D			*CN*	*Container*	
D			*FSU*	*Forked Support*	
D			*LAR*	*Lashing Rope*	
D			*RG*	*Reefer Generator*	
D			*RR*	*Rail Wagon*	
D			*STR*	*Strap*	
D			*TE*	*Trailer*	
D			*TP*	*Tarpaulin*	
R		C237 EQUIPMENT IDENTIFICATION			C
R	8260	Equipment identification number			C an..17
R			*Equipment number*		
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

M SEGMENT GROUP 6 - EQD/DAM

Group Function: A group of segments to specify damage details related to the equipment.

Group Repeats: 9
Group Status: Conditional
Group Usage: Optional

Clarification: The DAM/COD Group can be used at this level to detail any damage to an item of equipment, if a detailed inspection has been carried out at the time of the movement being reported. In most cases, however, such a detailed inspection will not be carried out until after a movement has taken place.

In these situations it is recommended that a general indication of damage condition be transmitted in the FTX under EQD in this message (if damage has been identified at the time of the movement), and that detailed damage information follow later using the DESTIM message, which is designed for this purpose. This approach is likely to be adopted in North America and Australia/New Zealand.

Recommendation JM4/279 refers.

M DAM DAMAGE

Segment Function: A segment to specify equipment damages, such as the point of the damage on the equipment, and the type of damage.

Message Level: Group 6
Segment Repeats: 1
Segment Status: Mandatory
Segment Usage: Mandatory
Sample Segment: DAM+

Clarification: The DAM segment must always be sent if Group 6 is to be used.

Recommendation JM4/280 refers.

M	7493	DAMAGE DETAILS QUALIFIER	M an..3
R		*1 Equipment damage*	
O	C821	TYPE OF DAMAGE	C
R	7501	Type of damage, coded	C an..3
R		*Code as per ISO 9897, Annex D*	
O	1131	Code list qualifier	C an..3
O	3055	Code list responsible agency, coded	C an..3
O	7500	Type of damage	C an..35
R		*Type of damage, free text*	
O	C822	DAMAGE AREA	C

R	7503	Damage area identification	C	an..4
R		*Code as per ISO 9897, Annex C*		
O	1131	Code list qualifier	C	an..3
O	3055	Code list responsible agency, coded	C	an..3
O	7502	Damage area	C	an..35
R		*Damage area, free text*		
O	C825	DAMAGE SEVERITY	C	
R	7509	Damage severity, coded	C	an..3
R		*Code as per ISO 9897, Annex G.3*		
O	1131	Code list qualifier	C	an..3
O	3055	Code list responsible agency, coded	C	an..3
O	7508	Damage severity	C	an..35
R		*Damage severity, free text*		
O	C826	ACTION	C	
R	1229	Action request/notification, coded	C	an..3
R		*Code as per ISO 9897, Annex F*		
O	1131	Code list qualifier	C	an..3
O	3055	Code list responsible agency, coded	C	an..3
O	1228	Action request/notification	C	an..35
R		*Action required or taken, free text*		

O COD COMPONENT DETAILS

Segment Function: A segment to specify component details of the damaged equipment.

Message Level: Group 6
Segment Repeats: 1
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: COD+

Clarification: The COD segment may be transmitted if required, if Group 6 is used.

Recommendation JM4/281 refers.

O	C823	TYPE OF UNIT/COMPONENT	C
R	7505	Type of unit/component, coded	C an..3
R		*Code as per ISO 9897, Annexes K & L*	
O	1131	Code list qualifier	C an..3
O	3055	Code list responsible agency, coded	C an..3
O	7504	Type of unit/component	C an..35
R		*Type of component, free text*	
O	C824	COMPONENT MATERIAL	C
R	7507	Component material, coded	C an..3
R		*Code as per ISO 9897, Annex E*	
O	1131	Code list qualifier	C an..3
O	3055	Code list responsible agency, coded	C an..3
O	7506	Component material	C an..35
R		*Component material, free text*	

O SEGMENT GROUP 7 - EQD/TDT

Group Function:	A group of segments to indicate details of the movement of containers by sea and by inland carriers, such as mode and means of transport and locations.
Group Repeats:	9
Group Status:	Conditional
Group Usage:	Optional
Clarification:	The TDT Group at this level is used to specify details of inland transport related to the equipment. Recommendation JM4/282 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. The segment may be pointed to by the TPL segment.
Message Level:	Group 7
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	TDT+1+TRIP22+3’
Clarification:	The TDT segment must be sent if Group 7 is used. Recommendation JM4/283 refers.

M	8051	TRANSPORT STAGE QUALIFIER		M an..3
R		*1*	*Inland Carriage*	
O	8028	CONVEYANCE REFERENCE NUMBER		C an..17
R		*Carrier’s number*		
R	C220	MODE OF TRANSPORT		C
R	8067	Mode of transport, coded		C an..3
D		*1*	*Maritime*	
D		*2*	*Rail*	
D		*3*	*Road*	
D		*4*	*Air*	
D		*8*	*Inland Water*	
X	8066	Mode of transport		C an..17

O	C228	TRANSPORT MEANS		C
O	8179	Type of means of transport identification		C an..8
		1	*Barge chemical tanker*	
		2	*Coaster chemical tanker*	
		3	*Dry bulk carrier*	
		4	*Deep sea chemical tanker*	
		5	*Gas tanker*	
		9	*Exceptional transport*	
		11	*Ship (for feeder vessels)*	
		12	*Ship tanker*	
		13	*Ocean Vessel*	
		21	*Rail tanker*	
		22	*Rail silo tanker*	
		23	*Rail bulk car*	
		25	*Rail express*	
		31	*Truck*	
		33	*Road silo tanker*	
		35	*Truck/trailer with tilt*	
O	8178	Type of means of transport		C an..17
R		*Type of Means of Transport (free text)*		
O	C040	CARRIER		C
O	3127	Carrier identification		C an..17
R		*Carrier Code*		
O	1131	Code list qualifier		C an..3
R		*172*	*Carrier Code*	
O	3055	Code list responsible agency, coded		C an..3
D		*20*	*BIC*	
D		*87*	*Assigned by Carrier*	
D		*166*	*US, National Motor Freight Classification Assoc (SCAC)*	
D		*184*	*ACOS*	
O	3128	Carrier name		C an..35
R		*Carrier Name (free text)*		
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			*Call Sign (if 8067 = 1 and C222/1131 = 103)*		
D			*Lloyd's Number (if 8067 = 1 and C222/1131 = 146*		
D			*Train ID/Number (if 8067 = 2)*		
D			*Truck ID/Number (if 8067 = 3)*		
D			*Air Service ID (if 8067 = 4)*		
D			*Barge ID/Number (if 8067 = 8)*		
O	1131	Code list qualifier			C an..3
D			*103*	*Call Sign Directory (8213 = Call Sign)*	
D			*146*	*Means of Transport ID (8213 <> Call Sign)*	
O	3055	Code list responsible agency, coded			C an..3
D			*11*	*Lloyd's Register*	
D			*ZZZ*	*Mutually Agreed*	
O	8212	Id. of the means of transport			C an..35
R			*Name of Means of Transport (free text)*		
O	8453	Nationality of means of transport, coded			C an..3
R			*Flag of Means of Transport (ISO Country Code)*		
X	8281	TRANSPORT OWNERSHIP, CODED			C an..3

R LOC LOCATION

Segment Function: A segment to specify ports/locations associated with the transport of a container.

Message Level: Group 9
Segment Repeats: 1
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: LOC+162+USOAK:139:6+TERMINAL:TER:ZZZ'

Clarification: The LOC segment at this level is used to report a location related to the inland transport movement.

Recommendation JM4/285 refers.

M	3227	PLACE/LOCATION QUALIFIER		M an..3
D		*[165]*	*Activity Location*	
D		*88*	*Place of Receipt (by inland carrier)*	
D		*7*	*Place of Delivery (by inland carrier)*	
R	C517	LOCATION IDENTIFICATION		C
O	3225	Place/location identification		C an..25
D		*UN LOCODE*		
D		*EAN Location Code*		
D		*US Census Code*		
O	1131	Code list qualifier		C an..3
R		*139*	*Port*	
O	3055	Code list responsible agency, coded		C an..3
D		*6*	*UN/ECE*	
D		*9*	*EAN*	
D		*112*	*US Census*	
O	3224	Place/location		C an..17
R		*Place/port (free text)*		

O	C519	RELATED LOCATION ONE IDENTIFICATION		C
R	3223	Related place/location one identification		C an..25
R		*Related Location Code*		
O	1131	Code list qualifier		C an..3
D		*[BER]*	*Berths*	
D		*[WHA]*	*Wharves*	
D		*[TER]*	*Terminals*	
D		*[GAT]*	*Gates*	
D		*[WAR]*	*Warehouses*	
D		*[CNE]*	*Consignee's Premises*	
D		*[CNR]*	*Consignor's Premises*	
D		*[PAC]*	*Packing/unpacking facilities*	
D		*[STO]*	*Storage facilities*	
D		*[REP]*	*Repair facilities*	
O	3055	Code list responsible agency, coded		C an..3
D		*9*	*EAN*	
D		*184*	*ACOS*	
D		*ZZZ*	*Mutually Agreed*	
O	3222	Related place/location one		C an..70
R		*Related Location (free text)*		
O	C553	RELATED LOCATION TWO IDENTIFICATION		C
O	3233	Related place/location two identification		C an..25
R		*Related Location Code*		
O	1131	Code list qualifier		C an..3
D		*[BER]*	*Berths*	
D		*[WHA]*	*Wharves*	
D		*[TER]*	*Terminals*	
D		*[GAT]*	*Gates*	
D		*[WAR]*	*Warehouses*	
D		*[CNE]*	*Consignee's Premises*	
D		*[CNR]*	*Consignor's Premises*	
D		*[PAC]*	*Packing/unpacking facilities*	
D		*[STO]*	*Storage facilities*	
D		*[REP]*	*Repair facilities*	
O	3055	Code list responsible agency, coded		C an..3
D		*9*	*EAN*	
D		*184*	*ACOS*	
D		*ZZZ*	*Mutually Agreed*	
O	3232	Related place/location two		C an..70
R		*Related Location (free text)*		
X	5479	RELATION, CODED		C an..3

O DTM DATE/TIME PERIOD

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

Message Level: Group 7
Segment Repeats: 1
Segment Status: Conditional
Segment Usage: Optional
Sample Segment: DTM+ACT:199712241200:203'

Clarification: The DTM at this level is used to report dates and times relating to the movement in the preceding TDT.

Recommendation JM4/286 refers.

M	C507	DATE/TIME/PERIOD			M
M	2005	Date/time/period qualifier			M an..3
D		*[ACT]*	*Activity Date*		
R	2380	Date/time/period			C an..35
R		*Date/time*			
R	2379	Date/time/period format qualifier			C an..3
D		*203*	*CCYYMMDDHHMM*		
D		*303*	*CCYYMMDDHHMMZZZ*		

O 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 6
Segment Repeats:	9
Segment Status:	Conditional
Segment Usage:	Optional
Sample Segment:	NAD+IO+CODE:160:87' NAD+AM++JOHN DILINGER'
Clarification:	The NAD segment at this level can be used to identify parties associated with the item of equipment. Recommendation JM4/288 refers.

M	3035	PARTY QUALIFIER		M an..3
D		*[10]*	*Lessee's Survey Company*	
D		*[20]*	*Lessor's Survey Company*	
D		*[SLS]*	*Shipping Line Service*	
D		*CA*	*Carrier*	
D		*CF*	*Container Operator/lessee*	
D		*CG*	*Carrier's Agent*	
D		*CN*	*Consignee*	
D		*CZ*	*Consignor*	
D		*EO*	*Owner of Equipment*	
D		*GA*	*Road Transport Operator*	
D		*GT*	*Rail Transport Operator*	
D		*IO*	*Insurance Company*	
D		*MF*	*Manufacturer of goods*	
D		*ST*	*Ship to Party*	
D		*AM*	*Authorized Official – (VGM EDI signature)* ***Name in capitals of Authorized person signing for verified gross mass (weight) = EDI signature***	
D		*SPC*	*SOLAS Packed Container Verified Gross Mass Responsible Party* ***Code as available from version D.15B:*** ***Party responsible for declaration of a packed container's verified gross mass (weight) according to SOLAS Chapter VI, Regulation 2, paragraphs 4-6***	
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
D		*100*	*Enhanced Part ID (for DUNS plus 4)*	
D		*160*	*Party ID*	
D		*172*	*Carrier Code*	
O	3055	Code list responsible agency, coded		C an..3
D		*7*	*CEFIC*	
D		*9*	*EAN*	
D		*10*	*ODETTE*	
D		*16*	*DUNS*	

D	*20*	*BIC*	
D	*87*	*Assigned by carrier*	
D	*163*	*US FMC (US Freight Forwarders)*	
D	*166*	*US NMFCA (SCAC)*	
D	*184*	*ACOS*	
D	*[SMD]*	*SMDG (Shipplanning Message Design group)* ***Temporary code***	

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

R	*Name & address (free text)*	

D	C080	PARTY NAME		C
M	3036	Party name		M an..35
D			**1. Name in capitals of the person authorized to sign the shipping document declaring a verified gross mass (weight) (In case of qualifier 'AM') = EDI signature** **2. Company name of SOLAS verified gross mass responsible party (in case of 'SPC') (optional occurrence 2) = Company of person signing for Verified Gross Mass**	
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
X	3045	Party name format, coded		C an..3

R	*Party Name (free text)*	

D	C059	STREET		C
O	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

R	*Street Address*	

D	3164	CITY NAME	C an..35

R	*City* **Verified Gross Mass (weight) obtained location**	

D	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C an..9

R	*State/Province Code*	

D	3251	POSTCODE IDENTIFICATION	C an..9

R	*Post Code*	

D	3207	COUNTRY, CODED	C an..3

R	*ISO Country Code* **Verified Gross Mass (weight) obtained country**	

SUMMARY SECTION

M CNT CONTROL TOTAL

Segment Function: To provide a control total.

Message Level: Summary
Segment Repeats: 1
Segment Status: Mandatory
Segment Usage: Mandatory
Sample Segment: CNT+1:1'

Clarification: The CNT segment is Mandatory in the message and must always be sent, regardless of whether a control total is required by the receiving application. If no total is required, the segment may be used with dummy values in order to comply with EDIFACT requirements.

Recommendation JM4/295 refers.

M	C270	CONTROL			M
M	6069	Control qualifier			M an..3
D			*1*	*Dummy Value*	
D			*16*	*Total Number of Equipment*	
M	6066	Control value			M n..18
R			*Number of EQD segments in the message (if 6069 = 16)*		
D			*1*	*Dummy value (if 6069 = 1)*	
X	6411	Measure unit qualifier			C an..3

M UNT MESSAGE TRAILER

Segment Function:	To terminate a message.
Message Level:	Summary
Segment Repeats:	1
Segment Status:	Mandatory
Segment Usage:	Mandatory
Sample Segment:	UNT+14+2’
Clarification:	The UNT segment must always be sent. Recommendation JM4/296 refers.

M	0074	NUMBER OF SEGMENTS IN A MESSAGE	M n..6
R		*Number of segments*	
M	0062	MESSAGE REFERENCE NUMBER	M an..14
R		*Same as 0062 in UNH*	

*****

SAMPLE MESSAGE

1. CODECO reporting Gate In message with (unverified) booking weight

```
UNH+241443010001+CODECO:D:95B:UN:SMDG16’
BGM+34+800255846+9+AB'
RFF+BN:800255846'
TDT+20+048R+1++MSC:172:20+++3EQZ6:103::MSC CLAUDIA:PA'
RFF+VON:048'
LOC+9+AUMEL:139:6 +CONWS:TER:ZZZ’
DTM+132:201512290600:203'
NAD+CF+PON:172:20'
CTA+IC+:GATE OPERATIONS'
EQD+CN+PONU4863849+4532:102:5+2+2+5'
RFF+SQ:1'
TMD+3++1'
DTM+7:201512271639:203'
LOC+11+ZACPT:139:6'
LOC+8+ZAJNB:139:6'
MEA+AAE+G+KGM:10474'                          Transp. equipment gross weight
TMP+2+011:CEL'
SEL+0465672+SH+1'
FTX+AAA+++CHOCOLATES'
EQA+RG+ MAEG110892'
TDT+1++3+95+:::BELLWAY+++LIK38I'
LOC+165+ AUMEL:139:6+CONWS:TER:ZZZ’
CNT+16:1'
UNT+24+241443010001'
```

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

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

UNH+241443010001+CODECO:D:95B:UN:SMDG16’	
BGM+34+800255846+9+AB'	Gate IN execution confirmation
RFF+BN:800255846'	Booking reference
TDT+20+048R+1++MSC:172:20+++3EQZ6:103::MSC CLAUDIA:PA'	Transport details
RFF+VON:048'	Line Voyage number (differ. from carrier)
LOC+9+AUMEL:139:6:MELBOURNE+CONWS:TER:ZZZ’	POL
DTM+132:201512290600:203'	Shipping line
NAD+CF+PON:172:20'	Responsible person/department
CTA+IC+:GATE OPERATIONS'	Container identification
EQD+CN+PONU4863849+4532:102:5+2+2+5'	
RFF+SQ:1'	FCL
TMD+3++1'	Effective (Handling) date
DTM+7:201512271639:203'	Stowage Port of Discharge
LOC+11+ZACPT:139:6'	PLACE of destination
LOC+8+ZAJNB:139:6'	Transport eq. verified gross mass
MEA+AAE+**VGM**+KGM:12373'	
TMP+2+011:CEL'	Shipper Seal attached
SEL+0465672+SH+1'	Goods description
FTX+AAA+++CHOCOLATES'	Reefer generator
EQA+RG+ MAEG110892'	Inland carriage
TDT+1++3+95+:::BELLWAY+++LIK38I'	Activity location
LOC+165+AUMEL:139:6:MELBOURNE+CONWS:TER:ZZZ’	
CNT+16:1'	
UNT+24+241443010001'	

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

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

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

UNH+241443010001+CODECO:D:95B:UN:SMDG16’	
BGM+34+800255846+9+AB'	Gate IN execution confirmation
RFF+BN:800255846'	Booking reference
TDT+20+048R+1++MSC:172:20+++3EQZ6:103::MSC CLAUDIA:PA'	Transport details
RFF+VON:048'	
LOC+9+AUMEL:139:6:MELBOURNE+CONWS:TER:ZZZ’	
DTM+132:201512290600:203'	
NAD+CF+PON:172:20'	Shipping line
CTA+IC+:GATE OPERATIONS'	Information contact/department
NAD+**WPA**+CONWS:TER:ZZZ’	TE gross mass (weight) weighing party (term.)
CTA+**BN**+: JOHN SMITH'	Responsible person of weighing
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
RFF+SQ:1'	
RFF+**VGR**:V123456667’	Gross mass (weight) verification reference
TMD+3++1'	
DTM+7:201505271639:203'	Date/time handling
DTM+**798**:201505271651:203'	Date/time TE verified gross mass obtained
LOC+11+ZACPT:139:6'	
LOC+8+ZAJNB:139:6'	
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass (weight)
TMP+2+011:CEL'	
SEL+0465672+SH+1'	Shipper Seal attached
FTX+AAA+++CHOCOLATES'	
FTX+ABS++**SM1**:ZZZ:SMD’	Weight obtained via method1=weighed
EQA+RG+ MAEG110892'	
TDT+1++3+95+:::BELLWAY+++LIK38I'	Inland carriage
LOC+165+AUMEL:139:6 +CONWS:TER:ZZZ’	
CNT+16:1'	
UNT+29+241443010001'	

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

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

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

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

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

UNH+241443010001+CODECO:D:95B:UN:SMDG16’	
BGM+**999**+800**255846+9+AB'**	Transport equipment status change report
RFF+BN:800255846'	Booking reference known
RFF+**VOR**:V00012345’	Response to TE gross mass verification order
NAD+CF+PON:172:20'	Shipping line
NAD+**WPA**+CONWS:TER:ZZZ’	TE gross mass weighing party (= terminal)
CTA+**BN**+ :JOHN SMITH'	Responsible person of weighing
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
DTM+**798**:201505271651:203'	Date/time TE verified gross mass obtained
LOC+165+AUMEL:139:6:MELBOURNE+CONWS:TER:ZZZ’	Activity Location
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass (weight)
SEL+V0465672+SH+1'	Shipper Seal attached
FTX+ABS++**SM1**:ZZZ:SMD’	Weight obtained via method1=weighed
CNT+16:1'	
UNT+15+241443010001'	

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

VERMAS is a new UN/EDIFACT message with only purpose to pass Verified Gross Mass info.

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

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

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

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

UNH+241443010001+CODECO:D:95B:UN:SMDG16'	
BGM+**999**+800255846+9+AB'	Transport equipment status change report
RFF+BN:800255846'	Booking reference known
RFF+**VOR**:V00012345'	Report on gross mass verification order
NAD+CF+PON:172:20'	Shipping line
NAD+**WPA**++CONTAINER WEIGHING LTD:STREET:CITY:COUNTRY'	Weighing facility
CTA+**BN**+:JOHN SMITH'	Responsible person obtaining the weight
EQD+CN+PONU4863849+4532:102:5+2+2+5'	Container identification
DTM+**798**:201505271651:203'	Date/time TE gross mass obtained
MEA+AAE+**VGM**+KGM:12373'	Transport eq. verified gross mass (weight)
SEL+V0465672+SH+1'	Shipper Seal attached
FTX+ABS++**SM1**:ZZZ:SMD'	Weight obtained via SOLAS method 1
CNT+16:1'	
UNT+14+241443010001'	

APPENDIX A – Recommendation JM4/272

Extract from ITIGG document Principles and Rules for the implementation of Transport EDI Messages:
TRANSPORT EQUIPMENT MOVEMENTS - DOCUMENT REFERENCE : JM4/ITIGG/96.101/v.131

RECOMMENDATION JM4/272 - USE OF THE FTX SEGMENT WITHIN THE EQD GROUP O

FUNCTION OF THE SEGMENT
The FTX segment at this level is used to specify supplementary free text details which relate to the piece of transport equipment identified in the preceding EQD segment.

MESSAGE REQUIREMENTS
CODENO - -
COEDOR - -
COHAOR Group 3 (EQD) C 9
COREOR Group 7 (EQD) C 9
COPINO - -
COPARN Group 7 (EQD) C 9
CODECO Group 5 (EQD) C 9
CALINF - -
VESDEP - -
COARRI Group 3 (EQD) C 9
COPRAR Group 3 (EQD) C 9
COSTCO - -
COSTOR - -

RECOMMENDED SEGMENT USAGE
Use of the FTX at this level is optional

RECOMMENDED SEGMENT DETAIL

MSG	*REC*	*ELEMENT*		*DESCRIPTION*	*SIZE/TYPE*
M	M	4451		TEXT SUBJECT QUALIFIER	an..3
				AAA Goods description	
				AAI General information	
				ABS Additional conditions (current container condition)	
				ACF Additional attribute information	
				[CSC] CSC information	
				DAR Damage remarks	
				HAN Handling instructions	
				INV Invoice instruction	
				LOI Loading instruction	
				OSI Other service information	
				SIN Special instructions	
C	X	4453		TEXT FUNCTION, CODED -	
C	D	C107		TEXT REFERENCE *(see note below)*	
M	M		4441	Free text, coded	an..3
C	O		1131	Code list qualifier	an..3
C	O		3055	Code list responsible agency, coded	an..3

C	D	C108		TEXT LITERAL *(see note below)*	
M	M		4440	Free text	an..70
C	O 4		440	Free text	an..70
C	O		4440	Free text	an..70
C	O		4440	Free text	an..70
C	O		4440	Free Text	an..70
C	O		3453	LANGUAGE, CODED (*as per ISO 639-1988)*	an..3

SAMPLE SEGMENT USAGE

FTX+AAI+++GENERAL INFORMATION'

NOTES ON RECOMMENDATION JM4/272

4451: It has been agreed that a HAN segment will be inserted at EQD level in all container messages, and DMRs have been lodged by ISA to this end. Because this will not be available until at least the D97A Directory, the FTX segment will be used on a temporary basis for handling instructions, using the appropriate code values from the HAN segment.
It has also been agreed that a COD segment will be added to messages to provide for construction materials where these are not associated with damage to the equipment. DMRs will be prepared.

4441: Where it is possible to use the FTX up to nine times, several coded descriptions of the equipment, its condition, and action to be taken or already taken can be specified.
This approach has been provided for because it is not yet possible to comply with General Recommendation JM4/27 (which stresses the need to avoid use of the FTX segment wherever coded values can be used), either because of shortcomings in the structure of the messages or uncertainty about future business requirements. This approach should therefore be seen as a temporary solution.

Using the codes below, a contractor might report for a given container as follows:

EQD #1 FTX #1 4451 = DAR 4441 = 7 (repaired)
FTX #2 4451 = ABS 4441 = 111 (CSC problem)
FTX #3 4451 = ABS 4441 = 68 (dirty)

Similarly a container operator might instruct a contractor to release a container as follows:

EQD #1 FTX #1 4451 = HAN 4441 = 50 (for export packing)
FTX #2 4451 = ABS 4441 = 81 (prepared for Hides)
FTX #3 4451 = ABS 4441 = 104 (vent open)

Several codes have been endorsed on a temporary basis by JM4, and will be maintained by ACOS until agreement can be reached on whether to have them maintained by SET on behalf of JM4, or inserted into the EDIFACT Code List.

These codes are available in a separate document published by ITIGG - "Codes for Use in the Free Text (FTX) Segment of the UN'EDIFACT Container Messages" (Document Reference **JM4/ITIGG/96.120**).

C107/C108 Different usages of these composites are recommended, depending on what value appears in DE 4451:

INVOICE INSTRUCTIONS (If 4451 = INV)

C107 TEXT REFERENCE
- 4441 Free text, coded
  - *Instruction Code (see JM4/ITIGG/96.120)*
- 1131 Code list qualifier
  - *130 Special Handling Instructions*
- 3055 Code list responsible agency, coded
  - *184 Australian Chamber of Shipping*

C108 TEXT LITERAL *(Not used)*

OTHER SERVICE INFORMATION (If 4451 = OSI)

C107 TEXT REFERENCE *(Can be used for vent settings)*
- 4441 Free text, coded
  - *CLS Vents closed*
  - *QUA Vents one quarter open*
  - *HLF Vents half open*
  - *THR Vents three quarters open*
  - *FLL Vents fully open*
  - *025 Volume of air flow 25 cubic meters per hour*
  - *030 Volume of air flow 30 cubic meters per hour*
  - *095 Volume of air flow 95 cubic metres per hour*
  - *(etc.)*
- 1131 Code List qualifier *(not used)*
- 3055 Code list responsible agency, coded *(not used)*

C108 TEXT LITERAL *(Optional free text)*
- 4440 Free Text
- 4440 Free Text
- 4440 Free Text
- 4440 Free Text
- 4440 Free Text

CSC PROBLEMS (If 4451 = CSC)

C107 TEXT REFERENCE (*Not used)*
C108 TEXT LITERAL *(Free text)*
- 4440 Free Text
  - *CSC Re-inspection date (YYMM)*
  - OR
  - *"ACEP" (if there is an acceptance sticker)*
  - OR
  - *"NDAT" (in all other cases)*
- 4440 Free Text *(not used)*
- 4440 Free Text *(not used)*
- 4440 Free Text *(not used)*
- 4440 Free Text *(not used)*

SPECIAL INSTRUCTIONS (If 4451 = SIN)

C107 TEXT REFERENCE (*Not used)*
C108 TEXT LITERAL *(Free text)*
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text

GENERAL INFORMATION (If 4451 = AAI)

C107 TEXT REFERENCE (*Not used)*
C108 TEXT LITERAL *(Free text)*
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text

DESCRIPTION OF GOODS (If 4451 = AAA)

C107 TEXT REFERENCE (*Not used)*
C108 TEXT LITERAL *(Free text)*
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text

INDICATION OF CONSTRUCTION MATERIAL (If 4451 = ACF)

C107 TEXT REFERENCE
4441 Free text, coded *(Construction material code as per ISO 9897)*
1131 Code list qualifier
ZZZ Mutually defined
3055 Code list responsible agency, coded
5 ISO
C108 TEXT LITERAL *(Not used)*

INDICATION OF DAMAGE CONDITION (If 4451 = DAR)

C107 TEXT REFERENCE
4441 Free text, coded
Condition Code (see JM4/ITIGG/96.120)
1131 Code list qualifier
ZZZ Mutually defined
3055 Code list responsible agency, coded
184 Australian Chamber of Shipping
C108 TEXT LITERAL *(Not used)*

LOADING INSTRUCTIONS (If 4451 = LOI)

C107 TEXT REFERENCE (*Not used)*
C108 TEXT LITERAL *(Free text)*
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text
4440 Free Text

CURRENT EQUIPMENT CONDITION (If 4451 = ABS)

C107 TEXT REFERENCE
4441 Free text, coded
Condition code (see JM4/ITIGG/96.120)
1131 Code list qualifier
ZZZ Mutually defined
3055 Code list responsible agency, coded
184 Australian Chamber of Shipping
C108 TEXT LITERAL *(Not used)*

SOLAS Condition code (If 4451 = ABS) **(see JM4/ITIGG/120v1.7 or in APPENDIX 9.2)**

C107 TEXT REFERENCE
4441 Free text, coded
SM1 (Gross Mass Verification – SOLAS Method 1) Gross Mass Verification by weighing the packed container as per SOLAS Regulation 2 Chapter VI, paragraphs 4-6, method 1
SM2 (Gross Mass Verification – SOLAS Method 2) Gross Mass Verification by calculation of weight of goods transported, packing weight, lashing and securing material weight and container tare weight as per SOLAS Regulation 2, Chapter VI paragraphs 4-6, method 2
1131 Code list qualifier
ZZZ *Mutually defined*
3055 Code list responsible agency, coded
SMD *(SMDG)*

HANDLING INSTRUCTIONS (If 4451 = HAN)

C107 TEXT REFERENCE
4441 Free text, coded
Instruction Code (see JM4/ITIGG/96.120)
1131 Code list qualifier
130 Special Handling Instructions
3055 Code list responsible agency, coded
184 Australian Chamber of Shipping
C108 TEXT LITERAL *(Not used)*

APPENDIX B - JM4/ITIGG/96.120

INTERNATIONAL TRANSPORT IMPLEMENTATION GUIDELINES GROUP

CODES FOR USE IN THE FREE TEXT (FTX) SEGMENT OF THE UN/EDIFACT CONTAINER MESSAGES

DOCUMENT REFERENCE: JM4/ITIGG/120/v.17

VERSION 1.7 - October 2015

Additions by SMDG Container Messages Subgroup

INTRODUCTION

Recommendation JM4/272 provides for the use of the FTX segment below EQD in the Container Messages for transmission of a variety of information, including reports on container construction, attributes, and condition and instructions for special services or actions to be performed on a container.

The full methodology for use of these codes in the FTX is detailed in Recommendation JM4/272.

The code list itself has been endorsed on a temporary basis by JM4, and will be maintained by ACOS until agreement can be reached on whether to have them maintained by SET on behalf of JM4, or inserted into the EDIFACT Code List.

Code Functions

The codes in this list are used in a variety of different functions:

- *Invoice Instructions (INV)* - instructions on preparation of an invoice.
- *Other Service Information (OSI)* - specific instructions relating to the preparation of the container.
- *Indication of Damage Condition (DAR)* - brief indication of container repair condition. Detailed damage reports are made using the DAM/COD segment group, where this is available in a message..
- *Current Equipment Condition (ABS)* - report on the current condition and/or status of a container, including confirmation that an action requested using HAN (Handling Instructions) has been performed.
- *Handling Instructions (HAN)* - instructions on action to be taken, or a condition to which a container should be prepared. The same codes can be used for the same functions in the HAN segment when it is present in a message.

Code Usage

Up to 9 repeats of the FTX segment are possible at EQD level in the container messages, providing for the use of the segment for several functions. The codes in this list are for use in DE 4441 of composite data element C107.

Using the codes in the FTX, a contractor might report for a given container as follows:

EQD #1	FTX #1	4451 = DAR	4441 = 7 (repaired)
	FTX #2	4451 = ABS	4441 = 111 (CSC problem)
	FTX #3	4451 = ABS	4441 = 68 (dirty)

Similarly a container operator might instruct a contractor to release a container as follows:

EQD #1	FTX #1	4451 = HAN	4441 = 50 (for export packing)
	FTX #2	4451 = ABS	4441 = 81 (prepared for Hides)
	FTX #3	4451 = ABS	4441 = 104 (vent open)

Dual Functionality

A key difference between this version of the list and earlier versions is the extension of many codes to cover both instruction and report for the same function. If a particular code appears in an instruction message, it indicates that this action should be taken. If it appears in a reporting message, it indicates that the same action *has been* undertaken.

"Other Descriptions"

The codes in this list have been consolidated from several sources, all of which framed the description of a code function in different ways. As part of the consolidation and rationalisation of the list, and the extension of codes to cover dual functions (see above), some rationalisation of descriptions was required.

Where a description has been changed or extended, the original description also appears for reference purposes as an "other description".

It should be stressed that changes or amendments to these descriptions should not require any changes to affect existing implementations.

Code Format

This list is alpha-numeric, including both pure alpha code values and numeric values. This reflects the fact that it is a consolidation of several different lists.

All new code values added to this list will be numeric, in accordance with a ITIGG decision at its Anaheim meeting in September 1997.

Changes in this Version

All changes or additions which appear in this document have been identified with shading.

Requests for New Codes

New codes will be added to this list upon request. All code requests must be lodged by email using the form at the SMDG website:

http://www.smdg.org/smdg-code-lists/

*****

Code	Description	Other Description	INV	OSI	DAR	ABS	HAN
78	All Stops Removed					Y	
1	Available				Y		
5	Awaiting Inspection (unknown)				Y		
BNC	Block order - no use for commercial announcement					Y	Y
BRS	Block order - reserved for a specific order					Y	Y
BSO	Block order - shipper owned container					Y	Y
BSU	Block order - unit sold				Y	Y	
BC	Block Stowage					Y	Y
CUT	Bundled flatracks to be cut/bundled flatracks cut					Y	Y
109	Cargo Claim Pending					Y	Y
DEU	Cargo packages are to be undone/cargo packages undone					Y	Y
236	Cargo to be set aside/set aside for inspection by Conference					Y	Y
CTC	Cargo tank residues to be cleaned/cleaned					Y	Y
67	To be clean/Clean					Y	Y
102	Clip-on unit required/attached	Clip-on Unit Required				Y	Y
CO	Commercial (shipbound)		Y				
RCO	Connect/connected to clip on & control temperature	Reefer order - connect to clip on & control temperature				Y	Y
RCD	Connect/connected to Diesel group & control temperature	Reefer order - connect to diesel group & control temperature				Y	Y
RCT	Connect/connected to electric mains & control temperature	Reefer order - connect to electric mains & control temperature				Y	Y
CNR	Connect/connected to reefer bridge immediately					Y	Y
SOA	Contents to be sampled on acceptance/contents sampled on acceptance	Contents to be sampled on acceptance				Y	Y
CFO	To be cooled/cooled (not under Interfrigo conditions)					Y	Y
CF3	To be cooled/cooled (under Interfrigo conditions)					Y	Y
237	To be covered/covered					Y	Y
111	CSC Problem					Y	
CCN	Customs Clearance not to be arranged					Y	Y
CCY	Customs Clearance to be arranged					Y	Y
72	Customs stop in place	Customs Stop				Y	
73	Customs Stop Removed					Y	
8	Damaged					Y	
TLQ	Dangerous Goods Transported in Limited Quantities					Y	Y
68	Dirty					Y	
DIR	Discharge/discharged onto another means of transport	Discharge/discharged from one means of transport to another				Y	Y
LDI	Discharge/discharged	Discharge				Y	Y
LCK	Discharge/discharged into a secure area	Discharge from means of transport into a secure area				Y	Y
ISH	Discharge/discharged into a shed	Discharge from means of transport into a shed				Y	Y
OQU	Discharge/discharged onto quay	Discharge from means of transport onto quay				Y	Y
DIB	Discharge/discharged onto barge or lighter					Y	Y
DIL	Discharge/discharged onto rail					Y	Y
DIT	Discharge/discharged onto truck					Y	Y
107	Do not accept						Y
DRY	Do not connect to reefer/porthole bridge					Y	

Code	Description	Other Description	INV	OSI	DAR	ABS	HAN
EO	Do not stow on deck top	Except on Deck Top					Y
54	Drop off/hire to another location					Y	
COL	Endwalls of flatracks to be collapsed/endwalls collapsed	Endwalls of flatracks to be collapsed				Y	Y
OT	Equipment left					Y	
IO	Equipment left and received					Y	
RF	Equipment off-repair					Y	
RN	Equipment on-repair					Y	
IN	Equipment receival					Y	Y
FUM	Equipment to be fumigated/equipment fumigated	Equipment to be fumigated				Y	Y
SEA	Equipment to be sealed/equipment sealed	Equipment to be sealed				Y	Y
TF	Equipment transfer/transferred from shipping line	Equipment transfer from shipping line				Y	Y
TT	Equipment transfer/transferred to shipping line	Equipment Transfer to shipping line				Y	Y
51	Export empty					Y	
52	Export Full					Y	
129	Fill/filled	Filled (Packed/stuffed)				Y	Y
56	For bonding	Bonding				Y	Y
58	For cleaning at another location	Cleaning at another location				Y	Y
50	For export packing	Export packing				Y	Y
59	For inspection at another location	Inspection at another location				Y	Y
62	For positioning by third party	Positioning by third party				Y	Y
57	For repair at another location	Repair at another location				Y	Y
60	For sale	Sale				Y	Y
61	For unpacking/unstuffing	Unpacking (LCL Delivery)				Y	Y
69	For Unpacking/unstuffing					Y	Y
71	Free Store					Y	
55	Full container delivery	Full Container delivery (FCL Delivery)				Y	
LGO	General Order						Y
103	Generator required/attached	Generator Required				Y	Y
MPY	Goods are a marine pollutant under MARPOL					Y	
NC	Goods are not to be cooled or frozen during operation						Y
FC	Goods to be cooled or frozen during operation						Y
ODY	Goods will exceed/goods exceed dimensions of the equipment	Goods will exceed dimensions of the equipment				Y	
ODN	Goods will not/goods do not exceed dimensions of the equipment	Goods will not exceed dimensions of the equipment				Y	
T	In Transit (remain on board)					Y	
CF1	Insulated transport under Interfrigo conditions					Y	Y
KC	Keep Cool						Y
116	Keep from freezing						Y
LLA	Lash/lashed	Lash				Y	Y
118	Live reefer					Y	
LLO	Load/loaded	Load				Y	Y
TOP	Stow/stowed on top layer in hold	Load on top layer in hold				Y	Y
HTK	Stow/stowed with connection for heated tanks	Load with connection for heated tanks				Y	Y

Code	Description	Other Description	INV	OSI	DAR	ABS	HAN
LPN	Loading not permitted					Y	
LPY	Loading permitted					Y	
LO	Logistic (not shipbound)		Y				
4	Major Damage (not useable)				Y		
3	Medium Damage				Y		
2	Minor Damage (useable)				Y		
CF2	Mechanically refigerate/refrigerated under Interfrigo conditions					Y	Y
NI	No Invoice		Y				
117	No temperature setting required (dry reefer)					Y	
10	Not available				Y		
6	Not Damaged				Y		
NO	Not to be over-stowed/not over-stowed	Not Over-stowed				Y	Y
106	Off-hire on arrival/off-hired on arrival	Off-hire on Arrival				Y	Y
OD	Stow/stowed on deck	On Deck Stowage				Y	Y
113	Ownership Problem					Y	
REC	Packages are to be/have been re-composed/re-bundled	Packages are to be re-composed/re-bundled				Y	Y
92	Plate/plated	Plated				Y	Y
DRC	Prepare/prepared dry and clean	Equipment to be dry and clean				Y	Y
83	Prepare/prepared bulkhead	Prepared Bulkhead				Y	Y
97	Prepare/prepared for canned fruit	Prepared for Canned Fruit				Y	Y
96	Prepare/prepared for cans	Prepared for Cans				Y	Y
95	Prepare/prepared for cotton	Prepared for Cotton				Y	Y
98	Prepare/prepared for dried fruit	Prepared for Dried Fruit				Y	Y
82	Prepare/prepared for Food Quality	Prepared for Food Quality				Y	Y
99	Prepare/prepared for hay	Prepared for Hay				Y	Y
81	Prepare/prepared for hides	Prepared for Hides				Y	Y
93	Prepare/prepared for milk powder	Prepared for Milk Powder				Y	Y
84	Prepare/prepared for Quarantine inspection	Prepared for Quarantine inspection				Y	Y
94	Prepare/prepared for rice	Prepared for Rice				Y	Y
100	Prepare/prepared with plastic lining	Prepared with Plastic Lining				Y	Y
121	Prepare/prepared with stencils/decals	Prepared with stencils/decals				Y	Y
101	Prepare/prepared with varnished floor	Prepared with Varnished Floor				Y	Y
ODS	Prepared equipment/equipment prepared odourless	Equipment to be odourless				Y	Y
RPT	Pre-trip inspection required/performed	Reefer order - pre-trip inspection				Y	Y
65	Pre-trip/pre-tripped	Requires Pre-trip				Y	Y
85	Pretrip/steamcleaned integral reefer					Y	
86	Pretripped integral reefer					Y	
74	Quarantine stop in place					Y	
75	Quarantine Stop Removed					Y	
112	Redirect elsewhere						Y
119	Reefer equipment damaged by container otherwise useable					Y	
RTA	Reefer order - to tank a reefer container						Y

Code	Description	Other Description	INV	OSI	DAR	ABS	HAN
RD	Refuel diesel reefer unit/diesel reefer unit refueled	Refuel diesel reefer unit				Y	Y
RG	Refuel gas reefer unit/gas reefer unit refueled	Refuel gas reefer unit				Y	Y
127	Re-mark unit/unit re-marked	Unit re-marked				Y	Y
126	Remove marking/markings removed	Markings removed				Y	Y
91	Repair/repaired	Repaired				Y	Y
7	Repaired				Y		
53	Repositioning (within national borders)					Y	
64	Requires special service/special service performed	Requires special service				Y	Y
RES	Restow/restowed on same means of transport	Restow on same means of transport				Y	Y
110	Return to Special Port					Y	
ROL	Roll tarpaulins/tarpaulins rolled	Roll tarpaulins				Y	Y
CAP	Set aside for appraisal	Set clear for appraisal				Y	Y
C	Set aside for cleaning	Put aside for cleaning				Y	Y
CSC	Set aside for examination of CSC plate	Put aside for examination of CSC plate				Y	Y
CFU	Set aside for fumigation	Set clear for fumigation				Y	Y
CSP	Set aside for inspection	Set clear for inspection				Y	Y
SP	Set aside for inspection	Equipment put aside for inspection				Y	Y
COR	Set aside for other reasons	Set clear for other reasons				Y	Y
REP	Set aside for repair	Put aside for repair				Y	Y
RC	Set aside for repair and cleaning	Put aside for repair and cleaning				Y	Y
79	Set aside for Sale					Y	Y
SAM	Set aside for sampling	Put aside for sampling				Y	Y
CVE	Set aside for verification	Set clear for verification				Y	Y
TAR	Set aside to roll tarpaulins before loading	Put aside to roll tarpaulins before loading				Y	Y
CON	Set cargo aside for inspection by Conference	Put cargo aside for inspection by Conference					Y
PRE	Set near reefer bridge and pre-trip equipment	Put near reefer bridge and pre-trip equipment				Y	Y
THR	Set vents three quarters open/vents set three quarters open	Vents three quarters open				Y	Y
LSH	Shift/shifted on the same means of transport	Shift on the same means of transport				Y	Y
SM1	+ Obtain gross weight/Gross weight obtained by SOLAS method 1 - weighed					Y	Y
SM2	+ Obtain gross weight/Gross weight obtained by SOLAS method 2 - calculated					Y	Y
125	Sold - hold for release					Y	
80	Sold and Awaiting Delivery					Y	
SPC	Specified cell position					Y	
66	Steam clean/steam cleaned	Requires Steam clean				Y	Y
88	Steamcleaned General					Y	
87	Steamcleaned Insulated					Y	
89	Steamcleaned Tank					Y	
LST	Stickers or placards to be applied/applied	To have stickers or placards applied				Y	Y
LSR	Stickers or placards to be removed/removed	To have stickers or placards removed				Y	Y
76	Storage/Other Stop in place					Y	
77	Storage/Otaon ther Stop Removed					Y	
RFR	Stow reefer under deck/reefer stowed under deck	Reefer under deck				Y	Y

Code	Description	Other Description	INV	OSI	DAR	ABS	HAN
BOT	Stow/stowed at bottom of hold	Load at bottom of hold				Y	Y
AB	Stow/stowed away from boiler (engine room)	Away from boiler (engine room)				Y	Y
AF	Stow/stowed away from foodstuffs	Away from Foodstuffs				Y	Y
AL	Stow/stowed away from living quarters	Away from Living Quarters				Y	Y
KFF	Stow/stowed in frost-free cell position	Load in frost-free cell position				Y	Y
OP	Stow/stowed on deck protected	On Deck Protected				Y	Y
OT	Stow/stowed on deck top	On Deck Top				Y	Y
TS	Stow/stowed on top	Top Stowage				Y	Y
AFH	Stow/stowed under -deck, away from heat	Under-deck, away from heat				Y	Y
UD	Stow/stowed under deck	Stow under deck				Y	Y
UT	Stow/stowed under deck top	Under Deck Top				Y	Y
INB	Stow/stowed under deck, or on deck to be built in	Under deck, or on deck to be built in				Y	Y
UW	Stow/stowed under waterline	Under Waterline				Y	Y
128	Strip/stripped	Stripped (upacked/unstuffed)				Y	Y
SQ	Stuff/stuffed on quay	Equipment stuff on quay				Y	Y
90	Survey/surveyed	Surveyed				Y	Y
120	Timber control treatment required/performed	Timber control treatment				Y	Y
LBU	To be bundled/bundled	To be bundled				Y	Y
COV	To be covered						Y
115	To be fumigated/fumigated	For fumigation				Y	Y
63	To be inspected/inspected	To be inspected				Y	Y
LME	To be measured/measured	To be measured				Y	Y
PRT	To be pre-tripped/ pre-tripped	Equipment to be pre-tripped				Y	Y
LWE	To be weighed/weighed	To be weighed				Y	Y
TSP	Transport/transported within same Port Area					Y	Y
70	Under Bond					Y	
ALU	Unit has limited maximum stacking height	Limited maximum stacking height				Y	Y
114	Unit is for sale					Y	
9	Unknown				Y		
UQ	Unstuff/unstuffed on quay	Equipment unstuff on quay				Y	Y
122	US East Coast axle settings					Y	Y
124	US Midwest axle settings					Y	Y
123	US West Coast axle settings					Y	Y
105	Vent to be closed/vent closed	Vent Closed				Y	Y
104	Vent to be open/vent opened	Vent Open				Y	Y
CLS	Vents to be closed/vents closed	Vents closed				Y	Y
FLL	Vents to be fully open/vents fully open	Vents fully open				Y	Y
HLF	Vents to be half open/vents half open	Vents half open				Y	Y
QUA	Vents to be one quarter open/Vents one quarter open	Vents one quarter open				Y	Y
OPE	Vents to be open/vents open	Vents to be open				Y	Y