



IMO

E

SUB-COMMITTEE ON DANGEROUS
GOODS, SOLID CARGOES AND
CONTAINERS

9th session

Agenda item 3

DSC 9/3
9 October 2003
Original: ENGLISH

**AMENDMENTS TO THE IMDG CODE AND SUPPLEMENTS, INCLUDING
HARMONIZATION OF THE IMDG CODE WITH THE UN RECOMMENDATIONS
ON THE TRANSPORT OF DANGEROUS GOODS**

Report of the Editorial and Technical Group

SUMMARY

Executive summary: This document contains the outcome of the Editorial and Technical Group meeting held from 29 September to 3 October 2003. During the meeting the group prepared draft amendments to the IMDG Code taking into consideration the related documents and the directions given by MSC 77 and DSC 8

Action to be taken: Paragraph 18

Related documents: MSC 76/23, MSC 77/26, DSC 8/3, DSC 8/3/Add.1, DSC 8/3/1, DSC 8/3/2, DSC 8/3/3, DSC 8/3/5, DSC 8/3/6, DSC 8/3/7, DSC 8/3/8, DSC 8/3/9, DSC 8/3/10, DSC 8/3/11, DSC 8/3/12, DSC 8/3/13, DSC 8/3/15, DSC 8/3/16, DSC 8/3/17, DSC 8/3/18, DSC 8/3/19, DSC 8/3/20, DSC 8/3/21, DSC 8/3/23, DSC 8/3/24, DSC 8/3/25, DSC 8/3/26, DSC 8/3/27, DSC 8/3/28, DSC 8/3/29, DSC 8/3/30, and ST/SG/AC.10/29/Add.1

1 The Editorial and Technical Group (hereinafter referred to as "the group") met from 29 September to 3 October 2003 under the chairmanship of Mrs. Olga P. Lefevre (France).

2 The group was attended by delegations from the following Member Governments:

BAHAMAS	MOROCCO
BANGLADESH	NETHERLANDS
BELGIUM	NORWAY
DENMARK	REPUBLIC OF KOREA
FINLAND	SWEDEN
FRANCE	SWITZERLAND
GERMANY	UNITED KINGDOM
JAPAN	UNITED STATES

For reasons of economy, this document is printed in a limited number. Delegates are kindly asked to bring their copies to meetings and not to request additional copies.

3 The meeting was also attended by observers from the following non-governmental organizations in consultative status:

EUROPEAN CHEMICAL INDUSTRY COUNCIL (CEFIC)
INTERNATIONAL CHAMBER OF SHIPPING (ICS)
INTERNATIONAL ROAD TRANSPORT UNION (IRU)
INTERNATIONAL VESSEL OPERATORS HAZARDOUS
MATERIALS ASSOCIATION INC. (VOHMA)
WORLD NUCLEAR TRANSPORT INSTITUTE (WNTI)

4 Mr. E. E. Mitropoulos, Assistant Secretary-General and Director, Maritime Safety Division, welcomed the participants, and emphasized that the mandatory status of the IMDG Code from 1 January 2004, combined with the need to prepare amendments every two years, had placed additional responsibility over the group. He was pleased to notice that the group over the years had fulfilled its responsibilities in an impressive way by preparing amendments in a timely and meticulous manner and he hoped that the group, under the leadership of its chairman, Mrs. Olga P. Lefevre, would continue to enjoy the reputation which it had built over the years.

5 The chairman in responding to the remarks made by the Assistant Secretary-General assured him that she would endeavour to put in every effort in meeting the obligations placed on the group.

6 The agenda and timetable of the session, as adopted by the group, and the list of participants are attached at annexes 1, 2, and 3 respectively.

7 As requested by the Sub-Committee, the group proceeded with the work as follows:

FINALIZATION OF ERRATA AND CORRIGENDA TO THE IMDG CODE*, 2002 EDITION

8 The group, based on the instructions given by DSC 8 (DSC 8/15, paragraph 3.3.1), finalized the draft set of errata and corrigenda, as set out at annex 4, and noted the decision of the Sub-Committee that the Secretariat will issue it before 1 January 2004, the date from which the Code** is envisaged to attain mandatory status without any transitional period.

FINALIZATION OF AMENDMENT 32-04 TO THE IMDG CODE

9 The group considered draft amendments to the Code (DSC 8/3/2), which were prepared by the Secretariat based on the amendments to the UN Recommendations on the transport of dangerous goods, as adopted by the UN Committee of Experts on the transport of dangerous goods and the globally harmonized system of classification and labelling of chemicals (UN COE) in December 2002, and in light of the submissions made to DSC 8 and decisions taken thereon, finalized draft amendment 32-04 (MSC 78/3/4***) to the Code for adoption at MSC 78.

10 In finalizing the amendments to the Code and based on the relevant decisions taken at DSC 8 (DSC 8/15, paragraph 3.34), the group agreed that only bulk container code BK2 shall be applicable to the sea transport of those substances, which are allowed to be transported in closed bulk containers and identified as such in the dangerous goods list of the Code, and that sheeted bulk containers shall not be used for sea transport of dangerous goods. In this context, the group

* As adopted by resolution MSC.122(75)

** Throughout this document, unless otherwise stated, the term "the Code" means "the IMDG Code"

*** To be issued in due course

requested the Secretariat to invite the UN COE to consider the assignment of BK2 codes, in the UN Recommendations on the transport of dangerous goods, to those substances which are assigned such codes in the dangerous goods list of the Code.

11 Some members of the group, in finalizing the text of chapter 1.4 (Security provisions), were of the opinion that certain provisions of its text extended beyond the provisions in the ISPS Code, whilst others were of the opinion that these were in line with those of the ISPS Code. The group could not reach a consensus and, therefore, agreed to place that text in square brackets and requested the Committee to take appropriate decision.

12 The group, based on the relevant decisions of the Sub-Committee (DSC 8/15, paragraph 3.34) and in identifying a transitional period till 31 December 2013, in the amendments to the Code, for the transport of lithium batteries manufactured before 1 January 2003, recognized that this date might need to be reviewed in the future in light of the relevant decisions taken at the UN COE and other modal agencies.

13 The group, due to time constraints and heavy work load, was unable to finalize the Index to the Code and, therefore, requested the Secretariat to finalize it in accordance with the relevant amendments agreed, in principle, at DSC 8 and finalized at this session of the group. Delegates were invited to forward, to the Secretariat, any editorial changes which they considered appropriate for incorporation in the Index.

AMENDMENTS TO THE EMS GUIDE

14 The group, based on the relevant decisions of the Sub-Committee (DSC 8/15, paragraph 3.33), finalized amendments to the EmS guide and included them in the errata and corrigenda and amendments to the Code.

PREPARATION OF DSC CIRCULAR ON IMO TYPE PORTABLE TANKS

15 The group, noting the relevant decisions of the Sub-Committee (DSC 8/15, paragraph 3.26), prepared consequential amendments to the Code and the associated DSC circular on IMO type portable tanks, attached as annex 5.

ADDRESSES OF COMPETENT AUTHORITIES

16 The group, in considering section 7.9.3 of the Code concerning addresses of competent authorities, agreed that there was a need to clarify the status of this section and decided to reflect its recommendatory status in paragraph 1.1.1.5 of the Code. In addition, the group agreed that this section should only contain co-ordinates of the main designated national competent authorities of the countries concerned and that there was no need to maintain a separate list of contact addresses of the offices of the designated national competent authorities in the circular. In light of the fact that the Code will attain mandatory status from 1 January 2004, the group requested the Sub-Committee to make a recommendation to the Committee to consider whether there was a need to revoke or revise MSC.2/Circ.36, regarding Implementation of codes and recommendations adopted by the Assembly.

EXPRESSIONS OF APPRECIATION

17 The group expressed its appreciation to Mr. Dick Schuddebeurs (CEFIC) for his valuable contribution to the work of the group over the years and wished him a happy retirement.

ACTION REQUESTED OF THE SUB-COMMITTEE

- 18 The Sub-Committee, at its ninth session, is invited to:
- .1 note that the group finalized errata and corrigenda to the IMDG Code, 2002 edition, (paragraph 8 and annex 4);
 - .2 note that the group finalized draft amendment 32-04 to the Code (MSC 78/3/4) for adoption at MSC 78 (paragraph 9);
 - .3 note that the group agreed that only bulk container code BK2 shall be applicable to the sea transport of those substances which are allowed to be transported in closed bulk containers and identified as such in the dangerous goods list of the Code (paragraph 10);
 - .4 note that the group, in finalizing chapter 1.4 (security provisions) of the Code, placed certain text in square brackets for appropriate decision by MSC 78 (paragraph 11);
 - .5 note that the group, in identifying the transitional period till 31 December 2013 for the transport of lithium batteries manufactured before 1 January 2003, recognized that this date might need to be reviewed in the future in light of the relevant decisions of the UN Committee of Experts on the transport of dangerous goods and the globally harmonized system of classification and labelling of chemicals and other modal agencies (paragraph 12);
 - .6 note that the group, in the context of IMO type portable tanks, prepared consequential amendments to the Code and the accompanying DSC circular (paragraph 15, annex 5);
 - .7 concur with the view of the group that section 7.9.3 of the Code should only contain co-ordinates of the main designated national competent authorities of the countries concerned (paragraph 16);
 - .8 consider whether there is a need to revoke or revise MSC.2/Circ.36, regarding Implementation of codes and recommendations adopted by the Assembly and request the Committee to decide accordingly (paragraph 16) ; and
 - .9 approve the report in general.

ANNEX 1

AGENDA

**for the session of the Editorial and Technical Group to be held at
IMO Headquarters, 4 Albert Embankment, London SE1 7SR
from Monday, 29 September to Friday, 3 October 2003**

(Session commences at 9.30 a.m. on Monday, 29 September 2003)

Opening of the session

- 1 Adoption of the agenda
- 2 Finalization of errata and corrigenda
- 3 Finalization of amendment 32-04 to the IMDG Code, including amendments to the:
 - narrative text including to the list of competent authority addresses
 - dangerous goods list of the Code
 - index of the Code
- 4 Amendments to the EmS Guide
- 5 Preparation of DSC circular on portable tanks
- 6 Expressions of appreciation
- 7 Report to DSC 9

Closing of the session

ANNEX 2

TIMETABLE

**for the session of the Editorial and Technical Group to be held at
IMO Headquarters, 4 Albert Embankment, London SE1 7SR
from Monday, 29 September to Friday, 3 October 2003**

Date	Item	
Monday, 29 September		Opening of the session
	1	Adoption of the agenda
	2	Finalization of errata and corrigenda to the IMDG Code
	3	Finalization of amendment 32-04 to the IMDG Code
Tuesday, 30 September	3	Finalization of amendment 32-04 to the IMDG Code (continued)
Wednesday, 1 October	3	Finalization of amendment 32-04 to the IMDG Code (continued)
	4	Amendments to the EmS guide
Thursday, 2 October	5	Preparation of DSC circular on portable tanks
	6	Expressions of appreciation
Friday, 3 October	7	Consideration and adoption of report to DSC 9
		Closing of the session

ANNEX 3

**EDITORIAL AND TECHNICAL GROUP MEETING
LIST OF PARTICIPANTS**

Chairman: Ms. Olga P. Lefèvre (France)

Technical Secretary: Mr. I. Rahim

BAHAMAS	
Mr. Lance Grainger Cargo Safety Adviser The Bahamas Maritime Authority c/o 3 Greenside Bexley Kent DA5 3PA United Kingdom	Tel: +44 (0)1322 52 74 10 Mobile: +44 (0) 7721 33 50 75 Email: 1.mmg@virgin.net
BANGLADESH	
Captain Moin Ahmed Deputy Permanent Representative of Bangladesh to IMO High Commission for Bangladesh 28 Queen's Gate London SW7 5JA United Kingdom	Tel: +44 (0)207 581 7422 Mobile: +44 (0)788 4053 172 Email: moin@bscuk.fsnet.co.uk
BELGIUM	
Mr. Patrick G.A. Van Lancker Chemical Engineer Federal Public Service Mobility and Transport Tavernierkaai 3 B – 2000 Antwerp Belgium	Tel: +32 3 229 0044 Fax: +32 3 229 0031 Mobile: +32 477 424204 Email: patrick.vanlancker@mobiliteit.fgov.be
DENMARK	
Mr. Svend Karstensen Ship Surveyor Danish Maritime Authority Vermundsgade 38 C DK-2100 Copenhagen Denmark	Tel: +45 3917 4663 Fax: +45 3917 4412 Email: SKA@DMA.DK

DENMARK (cont.)	
Mr. Sven Axel Lefeldt Adviser Dangerous Goods Danish Shipowners Ass. Scandlines A/S Faergevej 8 Helsingor DK-3000 Denmark	Tel: +45 49 28 5550 Fax: +45 49 20 1677 Email: sven.lefeldt@scandlines.dk
FINLAND	
Mr. Magnus Fagerström Senior Maritime Inspector Technical Division in Maritime Safety Department Finnish Maritime Administration P.O. Box 171 Helsinki 00181 Finland	Tel: +358 204 48 4317 Fax: +358 204 48 4336 Mobile: +358 405 25 8668 Email: magnus.fagerstrom@fma.fi
FRANCE	
Ms. Olga Pestel Lefèvre Responsable Marchandises Dangereuses Ministry of Transport / DAMGMI SM2 3, Place de Fontenoy 75007 PARIS France	Tel: +33 1 44 49 86 49 Fax: +33 1 44 49 86 40 Email: olga.lefevre@equipement.gouv.fr
GERMANY	
Mr. Uwe Lohmann Executive Officer Federal Ministry of Transport Building and Housing Robert-Schuman-Platz 1 D-53175 Bonn Germany	Tel: +49 228 300 2648 Fax: +49 228 300 97 2648 Email: uwe.lohmann@bmvbw.bund.de
Mr. Ingo Doering Expert of Transport of Dangerous Goods Federal Institute for Materials Research and Testing Section II.21 Unter den Eichen 87 D-12205 Berlin Germany	Section II.21 Dangerous Goods / Dangerous Substances Assessment and Coordination Tel: +49 30 8104 3407 Fax: +49 30 8104 1227 Mobile: +49 173 612 94 86 Email: ingo.doering@bam.de

JAPAN	
Mr. Takashi Hamada Manager, Research Team, Safety & Technology Division Nippon Kaiji Kentei Kyokai 9-7, 1 Chome, Hatchobori Tokyo 104-0032 Japan	Tel: +81 3 3552 0149 Fax: +81 3 3553 1947 Email: taka-hamada@nkkk.or.jp
MOROCCO	
Captain Mohamed Aboudihaj Moroccan Permanent Representative Moroccan Embassy 49 Queen's Gate Gardens SW7 5NE London United Kingdom	Tel: 07766 872655
NETHERLANDS	
Miss Tanja Woeltjes Policy Adviser Ministry of Transport, Public Works and Water Management Directorate – General for Freight Transport Directorate for Transport Safety Cargo and Risk Management Division Nieuwe Uitleg 1 P.O. Box 20904 2500 EX The Hague The Netherlands	Tel: +31 70 351 1577 Fax: +31 70 351 1479 Email: tanja.woeltjes@dgg.minvenw.nl
NORWAY	
Mr. Arne Laudal Senior Surveyor The Norwegian Maritime Directorate P.O. Box 8142 Dep. N-0032 Oslo Norway	Tel.: +47 2245 4440 Fax.: +47 2245 4501 Mobile: +47 482 22 070 Email: arne.laudal@sjofartsdir.dep.no
Mr. Arne Johansen Senior Coordinating Officer (for Transport of Dangerous Goods) Directorate for Civil Protection and Emergency Planning P.O. Box 2014 N-3104 Tönsberg Norway	Tel.: +47 3341 2540 Fax: +47 3331 0660 Email: arne.johansen@dsb.no

REPUBLIC OF KOREA	
Captain Jeong Yun Choi Head of Regulation and Research Department Korea Maritime Dangerous Goods Inspection Center 112-2 Inuidong, Jongrogu Seoul 110-410 Republic of Korea	Tel: +82 2 766 1731 Fax: +82 2 743 7017 Mobile: +82 017 221 1189 Email: jychoi@komdic.or.kr
Mr. Choong Il. Kim Inspector of Regulation and Research Department Korea Maritime Dangerous Goods Inspection Center 112-2 Inuidong, Jongrogu Seoul 110-410 Republic of Korea	Tel: +82 2 766 1731 Fax: +82 2 743 7017 Mobile: +82 011 269 9710 Email: cikim@komdic.or.kr
SWEDEN	
Ms. Caroline Petrini Senior Administrative Officer Swedish Maritime Administration Swedish Maritime Safety Inspectorate Slåttsg. 82 601 78 Norrköping Sweden	Tel.: +46 11 19 14 39 Fax.: +46 11 23 99 34 Mobile: +46 708 19 14 39 Email: caroline.petrini@sjofartsverket.se
SWITZERLAND	
Mr. Erwin Sigrist Manager DG Regulations Swiss Society of Chemical Industries (SGCI/SSCI) Nordstrasse 15, Postfach 8035 Zürich Switzerland	Tel.: +41 1 368 1742 Fax.: +41 1 368 1743 Mobile: +41 79 473 6637 Email: erwin.sigrist@sgci.ch
UNITED KINGDOM	
Mr. Keith Bradley Hazardous Cargoes Adviser Maritime and Coastguard Agency (MCA) Spring Place 105 Commercial Road Southampton SO15 1EG United Kingdom	Tel: +44 23 8032 9141 Fax: +44 23 8032 9204 Email: kbradley@mcga.gov.uk

UNITED KINGDOM (cont.)	
Mr. Jeffrey Hart Head of Dangerous Goods Branch Department for Transport, Dangerous Goods Branch Zone 2/34, Great Minster House 76 Marsham Street London SW1P 4DR United Kingdom	Tel: +44 20 7944 2758 Fax: +44 20 7944 2039 Email: Jeff.hart@dft.gsi.gov.uk
Mr. David Macrae Marine Surveyor Maritime and Coastguard Agency (MCA) Spring Place 105 Commercial Road Southampton SO15 1EG United Kingdom	Tel: +44 23 8032 9392 Fax: +44 23 8032 9204 Email: david-Macrae@mcga.gov.uk
UNITED STATES	
Mr. E. P. Pfersich Commandant (G-MSO-3) US Coast Guard 2100 Second Street SW, Room 1210 Washington, D.C. 20593-0001 United States	Tel.: +202 267 0083 Fax: +202 267 4570 Email: epfersich@comdt.uscg.mil
Mr. Duane Pfund Assistant International Standards Coordinator Office of Hazardous Materials Safety (DHM-5) 400 7 th Street, S.W., Room 8321 Washington, D.C. 20590-0001 United States	Tel: +202 366 4471 Fax: +202 366 5713 Email: duane.pfund@rspa.dot.gov

OBSERVERS FROM NON-GOVERNMENTAL ORGANIZATIONS

EUROPEAN CHEMICAL INDUSTRY COUNCIL (CEFIC)	
Mr. Ruediger Luetkemeyer Dangerous Goods Manager BASF Aktiengesellschaft Robert-Bosch-Strabe 67056 Ludwigshafen Germany	Tel: +49 621 60 71898 Fax: +49 621 60 72211 Email: ruediger.luetkemeyer@basf-ag.de
Mr. Dick. A. Shuddebeurs Transport Officer VNCI Postbox 443 2260 AK, Leidschendam Netherlands	Tel: +31 70 337 8739 Fax: +31 70 337 8746 Email: schuddebeurs@vnci.nl or dschudde@tiscali.nl
INTERNATIONAL CHAMBER OF SHIPPING (ICS)	
Mr. Rob Van Uffelen Manager Dangerous Cargo P&O NEDLLOYD Boompjes 40 Rotterdam 3011 XB The Netherlands	Tel: +31 10 400 6334 Fax: +31 10 400 6015 Mobile: +31 6 532 44 765 Email: r.j.van.uffelen@ponl.com or robuff@kabelfoon.nl
INTERNATIONAL ROAD TRANSPORT UNION (IRU)	
Captain Hubert E. H. S. Wardelmann 8 Annsworthy Avenue GB-Thornton Heath Surrey CR7 8QD United Kingdom	Tel. and Fax: +44 20 8 653 5902 Mobile: +44 780 265 3893 Email: HUBERTWARDELMANN1@ ACTIVEMAIL.CO.UK or DGr7567707@aol.com
INTERNATIONAL VESSEL OPERATORS HAZARDOUS MATERIALS ASSOCIATION INC. (VOHMA)	
Mr. John Currie Administrator 1118 Bay Road Lake George, NY 12845 United States	Tel: +518 761 0263 Fax.: +518 792 7781 Email: jack@vohma.com

OBSERVERS FROM NON-GOVERNMENTAL ORGANIZATIONS (cont.)

WORLD NUCLEAR TRANSPORT INSTITUTE (WNTI)	
Mr. Trevor Dixon Specialist Adviser 7 Old Park Lane Mayfair W1K 1QR United Kingdom	Tel.: +44 (0)207 408 1944 Fax.: +44 (0)207 495 1964 Mobile: +44 0780 302 4763 Email: trevord@wnti.co.uk

ANNEX 4

IMDG Code 2002 Edition (Amendment 31-02)

Errata and corrigenda

Volume 1

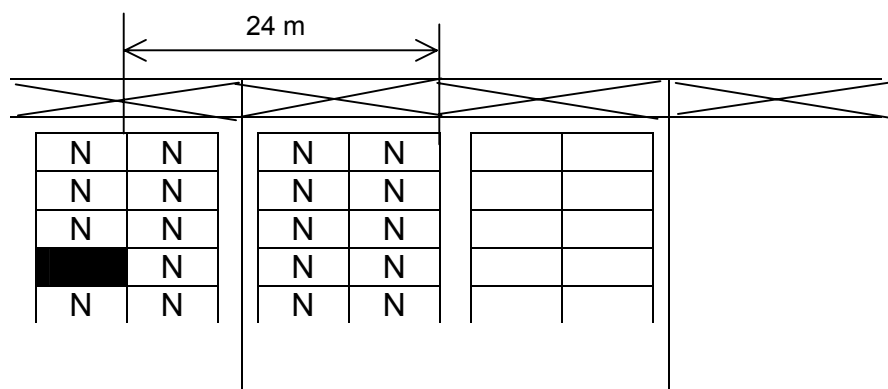
Page	Correction
11	In section 1.2.1, in the definition of Aerosols, for "6.2.2" read "6.2.4".
15	In section 1.2.1, in the definition of Recycled plastics material for "6.1.1.2.5" read "6.1.1.3".
25	In section 1.3.1.1, for "... transported by sea shall ..." read "... transported by sea should ...".
34	In section 2.0.3.6, in the first column of the table, for "3 I" read "3 I*".
43	In section 2.3.2.5, last sentence, for "Transport in accordance with paragraph 2.3.2.5 of the IMDG Code." read "Transport in accordance with 2.3.2.5 of the IMDG Code."
59	In the table of 2.5.3.2.4, in the column under the heading "Diluent type A (%)", for the entry "ter-BUTYL PEROXY-2-ETHYLHEXANOATE + 2,2 DI-(ter-BUTYLPEROXY)BUTANE" (UN 3106), for ">14" read "≥ 14".
62	In the eighth column of the entry for <i>p</i> -MENTHYL HYDROPEROXIDE (UN 3109), for "OP8, M" read "OP8, M, N".
63	In the second entry for DI-ISOPROPYL PEROXYDICARBONATE, insert "≥72" in the fourth column (Diluent type A (%)) and delete "≥72" from the fifth column (Diluent type B (%)).
82	In section 2.7.7.1.3, in the second line of the sentence, for "4.1.7.2.1" read "4.1.9.2.1".
107	In the table in section 4.1.1.10, in column 5 of the entry for UN 1155, for "100" read "199".
111	In the table in section 4.1.4.1, Composite packagings, for "Plastics receptacle in steel or aluminium crate or box or plastics receptacle in wood, wickerwork hamper, fibreboard or solid plastics box (6HA2,6HB2, 6HC, 6HD2, 6HG2 or 6HH2) Glass receptacle in steel, aluminium, fibre, plywood, solid plastics or expanded plastics drum (6PA1, 6PB1, 6PG1, 6PD1, 6PH1 or 6PH2) or in a steel, aluminium, wood, fibreboard or plywood box (6PA2, 6PB2, 6PC, 6PG2 or 6PD2)" read "Plastics receptacle in steel or aluminium crate or box or plastics receptacle in wood, plywood, fibreboard or solid plastics box (6HA2,6HB2, 6HC, 6HD2, 6HG2 or 6HH2) Glass receptacle in steel, aluminium, fibre, plywood, solid plastics or expanded plastics drum (6PA1, 6PB1, 6PG1, 6PD1, 6PH1 or 6PH2) or in a steel, aluminium, wood or fibreboard box or in a wickerwork hamper (6PA2, 6PB2, 6PC, 6PG2 or 6PD2)"
112	In Packing instruction 001, PP81, for "For UN 1790 with not more than 85% ..." read "For UN 1790 with more than 60% but not more than 85% ...".
123	In Packing instruction P134, under the sub-heading Drums, for "fibreboard (4G), read "fibreboard (1G)".
129	In Packing instruction 200, indent the last paragraph with the one above.
130	In column 10 (MEGCs) of the entry for UN1049, insert "X".
132	In Packing instruction 200, for UN 1067, add "X" in the column for pressure drums.
140	In Packing instruction 406, PP26, for "and 3344" read ", 3344 and 3376".
147	In Packing instruction 520, in the fifth line, for "... are listed in 4.1.7.1.3 and 2.4.2.3.2.4 and 2.4.2.3.2.3." read "are listed in 2.4.2.3.2.3 and 2.5.3.2.4".
147	In Packing instruction 520, additional provision two, for "... maximum content of 0.5 kg or 0.5 l" read "... maximum content of 0.5 kg for solids or 0.5 litre for liquids."

Volume 1

Page	Correction
151	In Packing instruction 650, after the paragraph "The outer packaging shall not contain more than 4 l.", insert the heading " For solids ".
153	For Packing instruction 802, in PP79, for "For UN 1790 with not more than 85%..." read " For UN 1790 with more than 60% but with not more than 85% ...".
153	In Packing instruction 802, for "PP82" read "PP81".
156	Within the special packing provisions of packing instruction IBC02, for " B11 " read " B20 ".
157	In IBC06, in number 3, for ".. and 31HZ1)" read ", 31HZ1 and 31HZ2)." And under the heading "Additional provision" for ",21HZ2 and 31HZ2" read "and 21HZ2".
165 and 166	Delete 4.1.6.2 to 4.1.6.3.
186	In 4.2.7.1.2, for "column 8" read "column 10".
187	In 4.2.7.2.2, for "column 8" read "column 10".
203	In section 5.3.1.1.4.1, for "freight container" read "cargo transport unit".
203	In section 5.3.1.1.4.1.1, for "cargo transport unit" read "freight container".
207	In section 5.4.1.4.4, in the entry for ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (calcium naphthenate), class 9, for "UN 3077" read "UN 3082", and for "(calcium naphthenate)" read "(Hexylbenzene)".
209	In the third line of the first numbered subentry of section 5.4.1.5.7.2, for "(see 7.14.4)" read "(see 7.1.14.4)"
209	In paragraph 5.4.1.5.10, "Transport in accordance with the provisions of paragraph 2.3.2.5 of the IMDG Code." read " Transport in accordance with 2.3.2.5 of the IMDG Code."
211	In paragraph 5.4.3.1, for "5.4.1" read "5.4.1.4 and 5.4.1.5".
223	In the seventh line of the text of section 6.1.3.2, for "ISO 3574:1986" read "ISO 3574:1999".
223	In paragraph 6.1.3.4, in second sentence, for "other manufactured metal drum" read "other remanufactured metal drum".
225	In paragraph 6.1.4.3.1, for ".. constructed of metal alloy .." read "... constructed of metal or metal alloy..".
247	In the illustration of the upper part of a gas cylinder within section 6.2.2.6.4, below "(h)", for " 58MM " read " 5.8MM ".
251	In section 6.3.2.9.1, for "6.3.2.6" read "6.3.2.3".
276	In section 6.5.3.1.1, first sentence, for ".. the transport of solids." read " .. the transport of liquids and solids."
277	In section 6.5.3.1.6, adjust the alignment of the last paragraph with that of 6.5.3.1.6.3.
285	In section 6.5.4.7.3, in the second sentence, for "The airtightness of the IBC... " read " The airtightness of the metal IBC... ".
285	In section 6.5.4.8.2, amend the last sentence to read " Pressure-relief devices shall be removed and their apertures plugged, or shall be rendered inoperative."
297	In 6.7.2.1.3, for "4.2.4.2.6" read "4.2.5.2.6".
302	In section 6.7.2.8.1, fourth line, for "4.2.4.2.6" read "4.2.5.2.6".
309	In section 6.7.2.20.1, move the footnotes to the end of the section.
319	In section 6.7.3.16.1, move the footnotes to the end of the section.
328	In section 6.7.4.15.1, move the footnotes to the end of the section.

Volume 1

- Page** **Correction**
- 329 In section 6.7.5.2.8, move the footnotes to the end of the section.
- 368 Page 368 In reference to the segregation provisions relating to ""Separated longitudinally by an intervening complete compartment or hold from" .4 closed versus closed", amend the "Top view hold" sketch to show:



- 410 In section 7.6.8.2, delete "Portable magazines and" and in section 7.6.8.3.1, delete "portable steel magazines or in".
- 420 In the entry for Australia, add a new contact address in the offices of the designated national competent authorities to read:

Canberra
 Manager, Ship Inspection Group
 Australian Maritime Safety Authority
 GPO Box 2181
 Canberra ACT 2601
 Australia
 Telephone: + 61 2 6279 5048
 Telefax: + 61 2 6279 5058
 E-mail: psc@amsa.gov.au

- 420 In the entry for Belgium, amend the contact addresses of the offices of the designated national competent authorities to read:

Antwerp Office
 Federale Overheidsdienst Mobiliteit en Vervoer
 Maritiem Vervoer
 Scheepvaartveiligheid
 Loodsgebouw
 Tavernierkaai 3
 B – 2000 Antwerpen
 Belgium
 Telephone: + 32 3 229 00 30
 Telefax: + 32 3 229 00 31
 E-mail: sc.antwerpen@mobiliteit.fgov.be

Volume 1

Page Correction

Brussels Office

Federal Public Service Mobility and Transport
Directorate-general Maritime Transport
Aarlenstraat 104
B – 1040 Brussels
Telephone: + 32 2 233 12 11
Fax: + 32 2 230 30 02

Ostend Office

Federale Overheidsdienst Mobiliteit en Vervoer
Maritiem Vervoer
Scheepvaartcontrole
Natiënkaai 5
B – 8400 Oostende
Belgium
Telephone: + 32 59 56 14 50
Telefax: + 32 59 56 14 82
E-mail: sc.oostende@mobiliteit.fgov.be

- 424 In the entry for Estonia, amend the contact addresses of the offices of the designated national competent authorities to read:

Estonian Maritime Administration
Maritime Safety Division
Valge 4
EST-11413 Tallinn
ESTONIA
Tel No: +372 6205 700/715
Telefax: +372 6205 706
Email: mot@vta.ee

- 426 In the entry for Germany, amend the contact addresses of the offices of the designated national competent authorities to read:

Federal Ministry of Transport, Building and Housing
Dangerous Goods Branch
Robert-Schuman-Platz 1
D-53175 Bonn
GERMANY

Tel No: +49 228 3000 or 300- extension
+49 228 300 2643
Telefax: +49 228 300 3428
Telex: 885 700 bmv
Email: Ref-A33@bmvbw.bund.de

Volume 1

Page	Correction
426	<p>Packing, Testing and Certification Institute</p> <p>Federal Institute for Materials Research and Testing for dangerous goods and packagings, IBCs and multimodal tank-containers Bundesanstalt für Materialforschung und -prüfung (BAM) Unter den Eichen 87 D-12205 Berlin GERMANY Telephone: +49 30 81040 - extension +49 30 8104 1310 +49 30 8104 3407 Telefax: +49 30 8104 1227 Email: ingo.doering@bam.de</p>
428	<p>In the entry for Japan, amend the first contact address of the office of the designated national competent authorities to read:</p> <p>Inspection and Measurement Division Maritime Bureau Ministry of Land, Infrastructure and Transport 2-1-3 Kasumigaseki, Chiyoda-ku Tokyo JAPAN Telephone: +81 3 5253 8639 Telefax: +81 3 5253 1644 Email: MRB_KSK@mlit.go.jp</p>
437	<p>In the entry for Switzerland, amend the contact address of the office of the designated national competent authorities to read:</p> <p>Office suisse de la navigation maritime Nauenstrasse 49 P. O. Box CH-4002 Basel</p> <p>Telephone: +41 61 270 91 20 Telefax: +41 61 270 91 29 Email: dv-ssa@eda.admin.ch</p>

Volume 2

Page	Correction
39	In columns 2 and 17 of the entries for UN 0503 for "AIR-BAG" read "AIR BAG".
42	In column 15 of the entry for UN 1070, add an underline to "F-C".
45	Insert an entry after UN1153,PG III to read: "1153", "ETHYLENE GLYCOL DIETHYL ETHER", "3", "-", "III" "-", "5 l", "P001, LP01", "-", "IBC03", "-", "T1", "T2", "TP1", "F-E, S-D", "Category A", "see entry above", "1153".
52	In column 15 of the entry UN 1278, amend "S-C" to read "S-D".
56	In column 8 of the entry for UN 1350, add "P002" and in column 17 of the same entry delete ": (1) transported in quantities of less than 400 kg per package, or (2)".
60	In column 6 of the entry for UN 1403 insert "934".
60	In column 6 of the entry for UN 1404 delete "934".
87	In column 11 of the entry for UN 1826, PG II, insert "B20".
87	In column 11 of the entry for UN 1827, delete "B20".
95	In column 12 of the entry for UN 1993, PG II, insert "T4".
95	In column 13 of the entry for UN 1993, PG II, for "T4" read "T7".
95	In column 13 of the entry for UN 1993, PG III, for "T2" read "T4".
124	In column 7 of the entry for UN 2626 for "kg" read "l".
128	In column 7 of the entry for UN 2730, PG III, for "1 l" read "5 l".
134	In column 7 of the entry for UN 2795, PG III, for "1 l" read "5 l".
140	In column 15 of the entry for UN 2921 for "S-C" read "S-J".
142	Insert a new entry: "2949", "SODIUM HYDROSULPHIDE SOLUTION", "8", "-", "II", "-", "1 l", "P001, "-", "IBC02", "-", "T4", "T7", "TP2", "F-A, S-B", "Category A". 'Away from' acids. 'Colourless needles or yellow flakes or solution; solids soluble in water with foul odour. Melting point:52° C. Reacts with acids, evolving hydrogen sulphide, a toxic and flammable gas. Causes burns to skin, eyes and mucous membranes.'" "2949".
142	In columns 12 and 13 of the entry for UN 2949, PG III, amend to read "-" and "T 4" respectively.
148	In column 7 of the entry for UN 3020, PG III, for "1 l" read "500 ml".
160	In column 15 of the entry for UN 3205 for "S-Q" read "S-J".
160	In column 15 of the entry for UN 3206 for "S-Q" read "S-J".
163	In column 17 of the entries for UN 3231 and UN 3232, for "2.4.2.3.2.7" read "2.4.2.3.2.3".
164	In column 17 of the entries for UN 3233, UN 3234, UN 3237, UN 3238 and UN 3239, for "2.4.2.3.2.7" read "2.4.2.3.2.3".
165	In column 17 of the entry for UN 3240, for "2.4.2.3.2.7" read "2.4.2.3.2.3".
167	In columns 2 of the entries for UN 3268 for "AIR-BAG" read "AIR BAG".
170	In column 7 of the entry for UN 3285, for "gm" read "g".
187	In Special provision 294, for "P406" read "P407".
271	For "Air-bag" read "Air bag" (three times).
284	For "AIR-BAG" read "AIR BAG" (four times).
309	In column 2 of the entry for "Copper Metal Powder, see Note 1" for "-" read "PP".
324	In column 2 of the entry for dodecylphenol, for "●" read "PP".

ANNEX 5

T3/1.01

DSC CIRCULAR

**GUIDANCE ON THE CONTINUED USE OF EXISTING IMO TYPE PORTABLE
TANKS AND ROAD TANK VEHICLES FOR THE TRANSPORT OF
DANGEROUS GOODS**

1 The Sub-Committee on Dangerous Goods, Solid Cargoes and Containers (DSC), at its eighth session (22 to 26 September 2003), recalled that the Maritime Safety Committee, at its seventy-second session (17 to 26 May 2000), had adopted amendment 30-00 to the IMDG Code, which had been prepared in the revised, reformatted and harmonized form of the Code; and had agreed to an entry into force date of 1 January 2001 with a twelve-month transitional period until 31 December 2001. The reformatted Code included new provisions for the construction and use of multimodal UN portable tanks.

2 During the reformatting process, the Sub-Committee agreed that existing IMO type portable tanks and road tank vehicles may continue to be used for the life-time of the tank, provided they also comply with the provisions set out in 3.2.1 (column 12) and in 4.2.0 of the IMDG Code. However, the detailed provisions for such tanks which were contained in section 13 of the IMDG Code, amendment 29-98, were not included in the IMDG Code, amendment 30-00, and its subsequent edition.

3 The Sub-Committee, noting that the IMDG Code, amendment 31-02 will attain mandatory status from 1 January 2004, developed guidance explaining the provisions of 3.2.1 (column 12) and 4.2.0 of the IMDG Code and reproducing the construction provisions applicable to such tanks, as set out at the annex.

4 Member Governments are invited to bring the attached annex to the attention of shipowners, ship operators, companies, seafarers and, in particular, tank owners and operators, inspecting and certifying authorities, consignors and shippers, and all other parties concerned with the transport of dangerous goods in packaged form by sea.

ANNEX

**GUIDANCE ON THE CONTINUED USE OF EXISTING IMO TYPE PORTABLE
TANKS AND ROAD TANK VEHICLES FOR THE TRANSPORT
OF DANGEROUS GOODS**

(For reasons of economy, the complete text of the circular,
which is given in document DSC/Circ.12, has not been reproduced here)
