

Subject :

Amendments to IBC/BCH codes
for existing chemical tankers
with non-Japanese flag

NKTECHNICAL INFORMATION

No. : 257

Date. : 22 May 1998

To: Shipowners and Shipbuilders concerned

Amendments to IBC/BCH codes will become effective on 1 July 1998 and should be applicable to existing chemical tankers the keels of which were laid before 1 July 1998. Since the amendments consist of editorial correction due to a new definition and of entry of new liquid substances into the codes, they do not affect construction and equipment of existing chemical tankers. Then, existing chemical tankers meet the amendments without doing anything to their construction and equipment, unless they carry the new liquid substances as specified in these amendments. We attach the amendments adopted by IMO for your reference

The amendments to IBC/BCH codes are also dealt with as those to MARPOL Annex II. Therefore the requirements on certain new liquid substances should apply to existing ships holding the INTERNATIONAL POLLUTION PREVENTION CERTIFICATE FOR THE CARRIAGE OF NOXIOUS LIQUID SUBSTANCES IN BULK. These ships, however, meet the amendments without doing anything to their construction and equipment, unless they carry the new liquid substances as specified in these amendments.

As stated above, existing chemical tankers or certain existing ships subject to the amendments meet the amendments with the present condition and are not forced to modify their construction and equipment. You are, however, requested to pay attention to the following points:

1) Correction to "CERTIFICATE OF FITNESS FOR THE CARRIAGE OF DANGEROUS CHEMICALS IN BULK (COF)" subject to IBC/BCH Codes and "INTERNATIONAL POLLUTION PREVENTION CERTIFICATE FOR THE CARRIAGE OF NOXIOUS LIQUID SUBSTANCES IN BULK (NLS)" subject to MARPOL Annex II

(a) As it is stated in the COF and NLS which amendments to comply with, correction to each certificate is necessary as follows:

ClassNK

NIPPON KAIJI KYOKAI
4-7, KIOI-CHO, CHIYODA-KU,
TOKYO 102-8567, JAPAN.

TELEX: J22975 CLASSNK
2324280 CLASNKJ
CABLE: CLASSNK TOKYO

Certificate	Before correction	After correction
COF(IBC)	Resolution MSC 28(61) and MEPC 55(33)	Resolution MSC 50(66), MSC 58(67) , MEPC 68(38) and MEPC 73(39)
COF(BCH)	Resolution MSC 29(61) and MEPC 56(33)	Resolution MSC 51(66) and MEPC 69(38)
NLS	Resolution MEPC 57(33)	Resolution MEPC 68(38)

- (b) "Nonyl phenol poly(4-12) ethoxylate", which is already listed in IBC/BCH codes, is changed to "Nonyl phenol poly(4+) ethoxylate". The COF of existing chemical tankers carrying this substance needs to be corrected accordingly.
- (c) We will make these corrections to the certificates without charge at the time of periodical surveys excluding special surveys (= renewal survey: a corrected certificate to be issued). Further, this Head Office can re-issue the certificate with charge at every time an application is received from the shipowners. We will conduct the said correction and re-issuance even before 1 July 1998.

2) Additional entry of new substances into "CERTIFICATE OF FITNESS FOR THE CARRIAGE OF DANGEROUS CHEMICALS IN BULK (COF)" and "INTERNATIONAL POLLUTION PREVENTION CERTIFICATE FOR THE CARRIAGE OF NOXIOUS LIQUID SUBSTANCES IN BULK (NLS)"

If shipowners intend to carry new substances listed in the amendments and make application to us, we will check compliance with the relevant requirements and re-issue the certificate with additional entry of new substances. The new substances listed in these amendments are as follows:

Name of new substance	Pollution category	Ship type	Entry into COF	Entry into NLS
Acetochlor	A	2	Yes	No
Alkyl(C7-C11)phenol poly(4-12) ethoxylate	B	3	Yes	No
Ammonium bisulphite solution (70% or Less)	D	3	Yes	No
Bromochloromethane	D	3	Yes	No
iso-Propylamine(70% or less) solution	C	2	Yes	No
Dibromomethane	C	2	Yes	No
3,4-Dichloro-1-butene	B	3	Yes	No

(to be continued)

Icosa(oxypropane-2,3-diyl)s	B	3	Yes	No
N-(2-Methoxy-1-methyl ethyl) -2-ethyl-6 -methyl chloroacetanilide	B	3	Yes	No
Nitroethane	(D)	3	Yes	No
Nitroethane (80%)/Nitropropane(20%)	D	3	Yes	No
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8-C10 ester	D	-	Yes	Yes
Glycerol monooleate	D	-	Yes	Yes
Polybutenyl succinimide	D	-	Yes	Yes
Zinc alkenyl carboxamide	D	-	Yes	Yes

When applying for re-issuing the certificate, you are requested to submit each three copies of the following documents, in which related description and necessary information for the new substances are included, accompanied by the application form as per attached, to:

Nippon Kaiji Kyokai

Tanker Section of Hull Department

4-7, Kioi-cho, Chiyoda-ku, Tokyo

Tel: 03 5226 2017, Fax: 03 5226 2019

- (a) In case of additional entry into COF (for chemical tankers)
 - (i) Operation Manual
 - (ii) P & A Manual
 - (iii) Damage Stability Calculation (only when required by this Society)
 - (iv) Other documents as deemed necessary by this Society
- (b) In case of additional entry into NLS (for other ships than chemical tankers)
 - (i) P & A Manual

Should you have any questions, please feel free to contact this Head Office, Tanker Section of Hull Department (Tel: 03 5226 2017, Fax: 03 5226 2019)

- Attachment: 1. Amendments to IBC/BCH codes adopted by IMO (Resolution MSC50(66), MSC58(67), MEPC68(38), MEPC73(39), MSC51(66) and MEPC69(38))
2. Application form (for additional entry of new substances into certificate)

ANNEX 5

**RESOLUTION MSC.50(66)
(adopted on 4 June 1996)**

**ADOPTION OF AMENDMENTS TO THE INTERNATIONAL CODE FOR
THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING
DANGEROUS CHEMICALS IN BULK (IBC CODE)**

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

RECALLING ALSO resolution MSC.4(48) by which it adopted the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code),

RECALLING FURTHER article VIII(b) and regulation VII/8.1 of the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended, concerning the procedure for amending the IBC Code,

BEING DESIROUS of keeping the IBC Code up to date,

HAVING CONSIDERED, at its sixty-sixth session, amendments to the Code proposed and circulated in accordance with article VIII(b)(i) of the SOLAS Convention,

CONSIDERING that it is highly desirable for the provisions of the IBC Code, which are mandatory under both the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78) and the 1974 SOLAS Convention, to remain identical,

1. ADOPTS, in accordance with article VIII(b)(iv) of the SOLAS Convention, amendments to the Code the text of which is set out in the Annex to the present resolution;
2. DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that the amendments shall be deemed to have been accepted on 1 January 1998, unless, prior to that date, more than one third of the Contracting Governments to the SOLAS Convention or Contracting Governments the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have notified their objections to the amendments;
3. INVITES Contracting Governments to note that, in accordance with article VIII(b)(vii)(2) of the SOLAS Convention, the amendments shall enter into force on 1 July 1998 upon their acceptance in accordance with paragraph 2 above;

4. REQUESTS the Secretary-General, in conformity with article VIII(b)(v) of the SOLAS Convention, to transmit certified copies of the present resolution and the text of the amendments contained in the Annex to all Contracting Governments to the SOLAS Convention;

5. FURTHER REQUESTS the Secretary-General to transmit copies of this resolution and its Annex to Members of the Organization, which are not Contracting Governments to the SOLAS Convention.

Void

ANNEX

AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (IBC CODE)

1 New paragraph 16.6.4 is added to chapter 16 of the Code as follows:

"16.6.4 In order to avoid elevated temperatures, this cargo should not be carried in deck tanks."

2 The following new entries are added to chapter 17 of the Code:

a	b	c	d	e	f	g	h	i	i'	i''	j	k	l	m	n	o
Product Name																
Acetochlor		A	P	2	2G	Open	No		Yes			No	A		No	15.19.6
Alkyl(C7-C11)phenol poly(4-12) ethoxylate		B	P	3	2G	Open	No		Yes			No	A		No	15.19.6, 16.2.6, 16.2.9
Ammonium bisulphite solution (70% or less)		D	S	3	2G	Cont	No		NF		R	T	No	Y5	No	15.16.1, 16.6.1 to 16.6.3
Bromochloromethane		D	S	3	2G	Cont	No		NF		R	T	No	N3	No	
iso-Propylamine(70% or less) solution		C	S/P	2	2G	Cont	No		No		C	FT	CD	N1	E	15.12, 15.19
Dibromomethane		C	S/P	2	2G	Cont	No		NF		R	T	No	N3	No	15.12.3, 15.19
3,4-Dichloro-1-butene		B	S/P	3	2G	Cont	No		No		C	FT	ABC		E	15.12.3, 15.17, 15.19.6
Icosa(oxypropane-2,3-diyl)s		B	P	3	2G	Open	No				O	No	A		No	16.2.6, 15.19.6
N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methyl chloroacetamide		B	P	3	2G	Open	No				O	No	A		No	15.19.6
Nitroethane		(D)	S	3	2G	Cont	No		IIB		R	FT	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1, 16.6.2, 16.6.4
Nitroethane(80%)/ Nitropropane(20%)		D	S	3	2G	Cont	No		IIB		R	FT	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1 to 16.6.3

3 "16.6" in column "o" of chapter 17 of the Code is replaced by "16.6.1 to 16.6.3".

4 The existing entries of the following products are amended:

- .1 Nonyl phenol poly(4-12) ethoxylate: the product name is amended to read "Nonyl phenol poly(4+) ethoxylate"; and
- .2 Sodium silicate solution: the entry in column "i" is amended to read "NF" and "A" in column "I" is replaced by "No".

5 The following new entries are added to chapter 18 of the Code:

a Product name	b UN number	c Pollution category for operational discharge (regulation 3 of Annex II)
Ammonium lignosulphonate solutions		III
Calcium lignosulphonate solutions		III
Caramel solutions		III
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8-C10 ester		D
Glycerol monooleate		D
N-Methylglucamine solution (70% or less)		III
Polybutenyl succinimide		D
Zinc alkenyl carboxamide		D
Ditridecyl Adipate		III

ANNEX 3

RESOLUTION MSC.58(67)
(adopted on 5 December 1996)

**ADOPTION OF AMENDMENTS TO THE INTERNATIONAL CODE FOR THE
CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING DANGEROUS
CHEMICALS IN BULK (IBC CODE)**

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

RECALLING ALSO resolution MSC.4(48) by which it adopted the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code),

RECALLING FURTHER article VIII(b) and regulation VII/8.1 of the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended, concerning the procedure for amending the IBC Code,

BEING DESIROUS of keeping the IBC Code up to date,

HAVING CONSIDERED, at its sixty-seventh session, amendments to the Code proposed and circulated in accordance with article VIII(b)(i) of the SOLAS Convention,

CONSIDERING that it is highly desirable for the provisions of the IBC Code, which are mandatory under both the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78) and the 1974 SOLAS Convention, to remain identical,

1. ADOPTS, in accordance with article VIII(b)(iv) of the SOLAS Convention, amendments to the Code the text of which is set out in the Annex to the present resolution;
2. DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that the amendments shall be deemed to have been accepted on 1 January 1998, unless, prior to that date, more than one third of the Contracting Governments to the SOLAS Convention or Contracting Governments the combined merchant fleets of which constitute not less than 50% of the gross tonnage of the world's merchant fleet, have notified their objections to the amendments;
3. INVITES Contracting Governments to note that, in accordance with article VIII(b)(vii)(2) of the SOLAS Convention, the amendments shall enter into force on 1 July 1998 upon their acceptance in accordance with paragraph 2 above;
4. REQUESTS the Secretary-General, in conformity with article VIII(b)(v) of the SOLAS Convention, to transmit certified copies of the present resolution and the text of the amendments contained in the Annex to all Contracting Governments to the SOLAS Convention;
5. FURTHER REQUESTS the Secretary-General to transmit copies of this resolution and its Annex to Members of the Organization, which are not Contracting Governments to the SOLAS Convention.

ANNEX

AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (IBC CODE)

CHAPTER 1 - GENERAL

- 1 The following new paragraph 1.3.22A is added after existing paragraph 1.3.22:

"1.3.22A *Recognized standards* are applicable international or national standards acceptable to the Administration or standards laid down and maintained by an organization which complies with the standards adopted by the Organization* and which is recognized by the Administration."

* Refer to the Minimum Standards for Recognized Organizations Acting on Behalf of the Administration, set out in appendix 1 to the Guidelines for the Authorization of Organizations Acting on Behalf of the Administration, adopted by the Organization by resolution A.739(18).

CHAPTER 2 - SHIP SURVIVAL CAPABILITY AND LOCATION OF CARGO TANKS

- 2 In paragraph 2.3.3, the words "should be a type acceptable to the Administration and" are deleted and the words "and should comply with recognized standards" are added at the end of the paragraph.

CHAPTER 3 - SHIP ARRANGEMENTS

- 3 In paragraph 3.2.3, in the fourth sentence, the words "permitted by the Administration" are replaced by the word "fitted".

- 4 In paragraph 3.7.1, in the first sentence, the words "Subject to the approval of the Administration," are deleted and the word "cargo" is replaced by the word "Cargo".

CHAPTER 4 - CARGO CONTAINMENT

- 5 In paragraph 4.1.3, in the third sentence, the words "according to the standards of the Administration" are replaced by the words "according to recognized standards".

- 6 In paragraph 4.1.4, in the second sentence, the words "according to the standards of the Administration" are replaced by the words "according to recognized standards".

CHAPTER 5 - CARGO TRANSFER

- 7 In paragraph 5.1.1, the definition of the efficiency factor "e" is replaced by the following:

"e = efficiency factor equal to 1.0 for seamless pipes and for longitudinally or spirally welded pipes, delivered by approved manufacturers of welded pipes, which are considered equivalent to seamless pipes when non-destructive testing on welds is carried out in accordance with recognized standards. In other cases, an efficiency factor of less than 1.0, in accordance with recognized standards, may be required depending on the manufacturing process."

- 8 In paragraph 5.1.6.1, the asterisk and related footnote are deleted.

- 9 In paragraph 5.1.6.3, the words "to a standard acceptable to the Administration" are replaced by the words "in accordance with recognized standards".

- 10 In paragraph 5.2.1, in the second sentence, the words "However, the Administration may accept relaxations from these requirements" are replaced by the words "However, relaxations from these requirements may be accepted in accordance with recognized standards".

- 11 In paragraph 5.2.3.2, in the first sentence, the words "satisfactory to the Administration" are replaced by the words "in accordance with recognized standards".

- 12 In paragraph 5.2.3.3, the words "acceptable to the Administration" are replaced by the words "in accordance with recognized standards".

- 13 Existing paragraph 5.2.4.1 is replaced by the following:

".1 Bellows in accordance with recognized standards may be specially considered."

- 14 In paragraph 5.3.2, the words "standards acceptable to the Administration" are replaced by the words "recognized standards".

- 15 The second sentence of existing paragraph 5.4.1 is replaced by the following:

"However, relaxations from these requirements may be accepted in accordance with recognized standards for piping inside tanks and open-ended piping."

- 16 In paragraph 5.5.2, in the last sentence, the existing text of the introductory phrase is replaced by the following:

"A totally enclosed hydraulically-operated valve located outside the cargo tank may, however, be accepted, provided that the valve is:"

CHAPTER 6 - MATERIALS OF CONSTRUCTION

17 In paragraph 6.1.1, in the first sentence, the words "to the satisfaction of the Administration" are replaced by the words "in accordance with recognized standards".

18 In paragraph 6.2.5, in the second sentence, the words "may be permitted by the Administration" are replaced by the words "may be fitted".

CHAPTER 8 - CARGO TANK VENT SYSTEMS

19 In paragraph 8.3.4, the words "of a type approved by the Administration" are replaced by the words "of an approved type".

CHAPTER 10 - ELECTRICAL INSTALLATIONS

20 In paragraph 10.2.3.4.2, in the second sentence, the words "to the satisfaction of the Administration" are replaced by the words "in accordance with recognized standards".

CHAPTER 11 - FIRE PROTECTION AND FIRE EXTINCTION

21 In paragraph 11.2.3, in the first sentence, the words "it can be demonstrated to the Administration that" are deleted and the words "halogenated hydrocarbons" are replaced by the words "equivalent media".

CHAPTER 15 - SPECIAL REQUIREMENTS

22 In paragraph 15.8.8, in the first sentence, the words "or other materials acceptable to the Administration" are replaced by the words "in accordance with recognized standards" and the second sentence is deleted.

23 In paragraph 15.8.9, in the third sentence, the words "by the Administration" are deleted.

24 In paragraph 15.12.1.4, the words "of a type approved by the Administration" are replaced by the words "of an approved type".

25 In paragraph 15.19.7.3, the words "port Administrations" are replaced by the words "port State authority".

ANNEX 3

RESOLUTION MEPC.68(38)

adopted on 10 July 1996

**AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND
EQUIPMENT OF SHIPS CARRYING DANGEROUS
CHEMICALS IN BULK (IBC CODE)**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the function of the Committee conferred upon it by international conventions for the prevention and control of marine pollution,

RECALLING ALSO resolution MEPC.19(22) by which it adopted the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code),

NOTING article 16 of the International Convention for the Prevention of Pollution from Ships, 1973 (hereinafter referred to as the "1973 Convention") and article VI of the Protocol of 1978 relating to the 1973 Convention (hereinafter referred to as the "1978 Protocol") which together specify the amendment procedure of the 1978 Protocol and confers upon the appropriate body of the Organization the function of considering and adopting amendments to the 1973 Convention, as modified by the 1978 Protocol (MARPOL 73/78),

BEING DESIROUS of keeping the IBC Code up to date,

NOTING that the MARITIME SAFETY COMMITTEE, at its sixty-sixth session, by resolution MSC.50(66) had adopted, in accordance with article VIII(b)(iv) of the SOLAS Convention, amendments to the Code the text of which is set out at annex to the present resolution,

CONSIDERING that it is highly desirable for the provisions of the IBC Code, which are mandatory under both the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78) and the 1974 SOLAS Convention, to remain identical,

HAVING CONSIDERED, at its thirty-eighth session, amendments to the Code proposed and circulated in accordance with article 16(2)(a) of the MARPOL Convention,

1. ADOPTS, in accordance with article 16(2)(b) of the 1973 Convention, amendments to the IBC Code, the text of which is set out at Annex to the present resolution;
2. DETERMINES, in accordance with article 16(2)(f)(iii) of the 1973 Convention, that the amendments shall be deemed to have been accepted on 1 January 1998, unless prior to the date, not less than one-third of the Parties or the Parties, the combined merchant fleets of which constitute not less than fifty per cent of the gross tonnage of the world's merchant fleet, have communicated to the Organization their objections to the amendments;
3. INVITES the Parties to note that in accordance with article 16(2)(g)(ii) of the 1973 Convention the amendments shall enter into force on 1 July 1998 in accordance with paragraph 2 above;

4. REQUESTS the Secretary-General, in conformity with article 16(2)(e) of the 1973 Convention, to transmit to all Parties to the 1978 Protocol certified copies of the present resolution and the text of the amendments contained in the Annex; and
5. REQUESTS FURTHER the Secretary-General to transmit to the Members of the Organization which are not Parties to the 1978 Protocol copies of the resolution and its Annex.

VOID

AMENDMENTS TO THE IBC CODE

New paragraph 16.6.4 is added to chapter 16 of the Code as follows:

“16.6.4 In order to avoid elevated temperatures, this cargo should not be carried in deck tanks.”

2 The following new entries are added to chapter 17 of the Code:

a Product Name	b	c	d	e	f	g	h	p	i	i	j	k	l	m	n	o
Acetochlor		A	P	2	2G	Open	No			Yes	O	No	A		No	15.19.6
Alkyl(C7-C11)phenol poly(4-12) ethoxylate		B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6, 16.2.6, 16.2.9
Ammonium bisulphite solution (70% or less)		D	S	3	2G	Cont	No		NF	R	R	T	No	Y5	No	15.16.1, 16.6.1 to 16.6.3
Bromochloromethane		D	S	3	2G	Cont	No		NF	R	R	T	No	N3	No	
iso-Propylamine(70% or less) solution		C	S/P	2	2G	Cont	No			No	O	FT	CD	N1	E	15.12, 15.19
Dibromomethane		C	S/P	2	2G	Cont	No		NF	R	R	T	No	N3	No	15.12.3, 15.19
3,4-Dichloro-1-butene		B	S/P	3	2G	Cont	No			No	C	FT	ABC		E	15.12.3, 15.17, 15.19.6
Icosa(oxypropane-2,3-diyl)s		B	P	3	2G	Open	No			Yes	O	No	A		No	16.2.6, 15.19.6
N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methyl chloroacetanilide		B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6
Nitroethane		(D)	S	3	2G	Cont	No		IIB	No	R	FT	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1, 16.6.2, 16.6.4
Nitroethane(80%)/ Nitropropane(20%)		D	S	3	2G	Cont	No		IIB	No	R	FT	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1 to 16.6.3

3 Reference to “16.6” in column “o” is replaced by “16.6.1 to 16.6.3”.

4 The existing entries of the following products are amended:

- .1 Nonyl phenol poly(4-12) ethoxylate: The product name is amended to read "Nonyl phenol poly(4+) ethoxylate"; and
- .2 Sodium silicate solution: column "i" should read "NF" and column "l" "No".

5 The following new entries are added to chapter 18 of the Code:

a Product name	b UN number	c Pollution category for operational discharge (regulation 3 of Annex II)
Ammonium lignosulphonate solutions		III
Calcium lignosulphonate solutions		III
Caramel solutions		III
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8-C10 ester		D
Glycerol monooleate		D
N-Methylglucamine solution (70% or less)		III
Polybutenyl succinimide		D
Zinc alkenyl carboxamide		D
Ditridecyl Adipate		III

ANNEX 2

RESOLUTION MEPC.73(39)
adopted on 10 March 1997**AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND
EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK
(IBC CODE, vague expressions)**

THE MARINE ENVIRONMENT PROTECTION COMMITTEE,

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the function of the Committee conferred upon it by international conventions for the prevention and control of marine pollution,

RECALLING ALSO resolution MEPC.19(22) by which it adopted the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code),

NOTING article 16 of the International Convention for the Prevention of Pollution from Ships, 1973 (hereinafter referred to as the "1973 Convention") and article VI of the Protocol of 1978 relating to the 1973 Convention (hereinafter referred to as the "1978 Protocol") which together specify the amendment procedure of the 1978 Protocol and confers upon the appropriate body of the Organization the function of considering and adopting amendments to the 1973 Convention, as modified by the 1978 Protocol (MARPOL 73/78),

NOTING that the Maritime Safety Committee at its sixty-seventh session, by resolution MSC.58(67) had adopted, in accordance with article VIII(b)(iv) of the International Convention for the Safety of Life at Sea, 1974 (SOLAS 74), amendments to the Code on the vague expressions of the Code which is expected to enter into force on 1 July 1998,

CONSIDERING that it is highly desirable for the provisions of the IBC Code, which are mandatory under both MARPOL 73/78 and SOLAS 74, to remain identical,

HAVING CONSIDERED the recommendation of the Sub-Committee on Bulk Liquid and Gases, at its first session, which was circulated in accordance with article 16(2)(a) of the 1973 Convention,

1. ADOPTS, in accordance with article 16(2)(b) of the 1973 Convention, amendments to the IBC Code, the text of which is set out at annex to the present resolution;
2. DETERMINES, in accordance with article 16(2)(f)(iii) of the 1973 Convention, that the amendments shall be deemed to have been accepted on 10 January 1998, unless, prior to the date, not less than one-third of the Parties or the Parties, the combined merchant fleets of which constitute not less than fifty per cent of the gross tonnage of the world's merchant fleet, have communicated to the Organization their objections to the amendments;

3. INVITES the Parties to note that in accordance with article 16(2)(g)(ii) of the 1973 Convention the amendments shall enter into force on 10 July 1998 in accordance with paragraph 2 above;
4. INVITES FURTHER the Parties to implement the requirements of the Code as amended from 1 July 1998 without awaiting formal entry into force of the amendments on 10 July 1998,
5. REQUESTS the Secretary-General, in conformity with article 16(2)(e) of the 1973 Convention, to transmit to all Parties to the 1978 Protocol certified copies of the present resolution and the text of the amendments contained in the annex; and
6. REQUESTS FURTHER the Secretary-General to transmit to the Members of the Organization which are not Parties to the 1978 Protocol copies of the resolution and its annex.

VOID

ANNEX

AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (IBC CODE)

CHAPTER 1 - GENERAL

- 1 The following new paragraph 1.3.22A is added after existing paragraph 1.3.22:

"1.3.22A *Recognized standards* are applicable international or national standards acceptable to the Administration or standards laid down and maintained by an organization which complies with the standards adopted by the Organization* and which is recognized by the Administration.

* Refer to the Minimum Standards for Recognized Organizations Acting on Behalf of the Administration, set out in appendix 1 to the Guidelines for the Authorization of Organizations Acting on Behalf of the Administration, adopted by the Organization by resolution A.739(18)."

CHAPTER 2 - SHIP SURVIVAL CAPABILITY AND LOCATION OF CARGO TANKS

- 2 In paragraph 2.3.3, the words "should be a type acceptable to the Administration and" are deleted and the words "and should comply with recognized standards" are added at the end of the paragraph.

CHAPTER 3 - SHIP ARRANGEMENTS

- 3 In paragraph 3.2.3, in the fourth sentence, the words "permitted by the Administration" are replaced by the word "fitted".
- 4 In paragraph 3.7.1, in the first sentence, the words "Subject to the approval of the Administration," are deleted and the word "cargo" is replaced by the word "Cargo".

CHAPTER 4 - CARGO CONTAINMENT

- 5 In paragraph 4.1.3, in the third sentence, the words "according to the standards of the Administration" are replaced by the words "according to recognized standards".
- 6 In paragraph 4.1.4, in the second sentence, the words "according to the standards of the Administration" are replaced by the words "according to recognized standards".

CHAPTER 5 - CARGO TRANSFER

- 7 In paragraph 5.1.1, the definition of the efficiency factor "e" is replaced by the following:

"e = efficiency factor equal to 1.0 for seamless pipes and for longitudinally or spirally welded pipes, delivered by approved manufacturers of welded pipes, which are considered equivalent to seamless pipes when non-destructive testing on welds is carried out in accordance with recognized standards. In other cases, an efficiency factor of less than 1.0, in accordance with recognized standards, may be required depending on the manufacturing process."

8 In paragraph 5.1.6.1, the asterisk and related footnote are deleted.

9 In paragraph 5.1.6.3, the words "to a standard acceptable to the Administration" are replaced by the words "in accordance with recognized standards".

10 In paragraph 5.2.1, in the second sentence, the words "However, the Administration may accept relaxations from these requirements" are replaced by the words "However, relaxations from these requirements may be accepted in accordance with recognized standards".

11 In paragraph 5.2.3.2, in the first sentence, the words "satisfactory to the Administration" are replaced by the words "in accordance with recognized standards".

12 In paragraph 5.2.3.3, the words "acceptable to the Administration" are replaced by the words "in accordance with recognized standards".

13 The existing text of paragraph 5.2.4.1 is replaced by the following:

"1 Bellows in accordance with recognized standards may be specially considered."

14 In paragraph 5.3.2, the words "standards acceptable to the Administration" are replaced by the words "recognized standards".

15 The existing text of the second sentence of paragraph 5.4.1 is replaced by the following:

"However, relaxations from these requirements may be accepted in accordance with recognized standards for piping inside tanks and open-ended piping."

16 In paragraph 5.5.2, in the last sentence, the existing text of the introductory phrase is replaced by the following:

"A totally enclosed hydraulically-operated valve located outside the cargo tank may, however, be accepted, provided that the valve is:"

CHAPTER 6 - MATERIALS OF CONSTRUCTION

17 In paragraph 6.1.1, in the first sentence, the words "to the satisfaction of the Administration" are replaced by the words "in accordance with recognized standards".

18 In paragraph 6.2.5, in the second sentence, the words "may be permitted by the Administration" are replaced by the words "may be fitted".

CHAPTER 8 - CARGO TANK VENT SYSTEMS

19 In paragraph 8.3.4, the words "of a type approved by the Administration" are replaced by the words "of an approved type".

CHAPTER 10 - ELECTRICAL INSTALLATIONS

20 In paragraph 10.2.3.4.2, in the second sentence, the words "to the satisfaction of the Administration" are replaced by the words "in accordance with recognized standards".

CHAPTER 11 - FIRE PROTECTION AND FIRE EXTINCTION

21 In paragraph 11.2.3, in the first sentence, the words "it can be demonstrated to the Administration that" are deleted and the words "halogenated hydrocarbons" are replaced by the words "equivalent media".

CHAPTER 15 - SPECIAL REQUIREMENTS

22 In paragraph 15.8.8, in the first sentence, the words "or other materials acceptable to the Administration" are replaced by the words "in accordance with recognized standards" and the second sentence is deleted.

23 In paragraph 15.8.9, in the third sentence, the words "by the Administration" are deleted.

24 In paragraph 15.12.1.4, the words "of a type approved by the Administration" are replaced by the words "of an approved type".

25 In paragraph 15.19.7.3, the words "port Administrations" are replaced by the words "port State authority".

ANNEX 6

**RESOLUTION MSC.51(66)
(adopted on 4 June 1966)**

**ADOPTION OF AMENDMENTS TO THE CODE FOR THE CONSTRUCTION
AND EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS
IN BULK (BCH CODE)**

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

RECALLING ALSO resolution A.212(VII), by which the Assembly, at its seventh session, adopted the Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code), which provides safety requirements for chemical tankers supplementary to the provisions of the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended,

RECALLING FURTHER resolution MSC.29(61), by which the Committee, at its sixty-first session, adopted the revised BCH Code,

NOTING resolution MSC.50(66), by which the Committee adopted amendments to the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code),

RECOGNIZING the need to bring the corresponding amendments to the BCH Code in force on the date on which the corresponding amendments to the IBC Code enter into force,

1. ADOPTS amendments to the BCH Code the text of which is given in the Annex to the present resolution;
2. DETERMINES that the amendments shall become effective on 1 July 1998 upon acceptance and entry into force of the corresponding amendments to the IBC Code adopted by resolution MSC.50(66).

ANNEX

**AMENDMENTS TO THE CODE FOR THE CONSTRUCTION AND
EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS
IN BULK (BCH CODE)**

Chapter IV - Special requirements

- 1 New paragraph 4.18.4 is added to chapter IV as follows:

"4.18.4 In order to avoid elevated temperatures, this cargo should not be carried in deck tanks."

Chapter VI - Summary of minimum requirements

- 2 The cross-reference between 16.6 of the IBC Code and 4.18 of the BCH Code is replaced by the following:

IBC Code reference

16.6.1
16.6.2
16.6.3
16.6.4

BCH Code reference

4.18.1
4.18.2
4.18.3
4.18.4

ANNEX 4

RESOLUTION MEPC.69(38)
adopted on 10 July 1996**AMENDMENTS TO THE CODE FOR THE CONSTRUCTION AND EQUIPMENT
OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (BCH CODE)****THE MARINE ENVIRONMENT PROTECTION COMMITTEE,**

RECALLING Article 38(a) of the Convention on the International Maritime Organization concerning the function of the Committee conferred upon it by international conventions for the prevention and control of marine pollution,

NOTING article 16 of the International Convention for the Prevention of Pollution from Ships, 1973 (hereinafter referred to as the "1973 Convention") and article VI of the Protocol of 1978 relating to the 1973 Convention (hereinafter referred to as the "1978 Protocol") which together specify the amendment procedure of the 1978 Protocol and confers upon the appropriate body of the Organization the function of considering and adopting amendments to the 1973 Convention, as modified by the 1978 Protocol (MARPOL 73/78),

RECALLING ALSO resolution MEPC.20(22) by which it adopted the Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (BCH Code),

NOTING FURTHER resolution MEPC.68(38), by which the Committee adopted amendments to the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code),

RECOGNIZING the need to bring the corresponding amendments into force on the date on which the amendments to the IBC Code enter into force,

HAVING CONSIDERED, at its thirty-eighth session, amendments to the BCH Code proposed and circulated in accordance with article 16(2)(a) of the MARPOL Convention,

1. ADOPTS, in accordance with article 16(2)(b) of the 1973 Convention, amendments to the BCH Code, the text of which is set out at Annex to the present resolution;
2. DETERMINES, in accordance with article 16(2)(f)(iii) of the 1973 Convention, that the amendments shall be deemed to have been accepted on 1 January 1998, unless prior to the date, not less than one-third of the Parties or the Parties, the combined merchant fleets of which constitute not less than fifty per cent of the gross tonnage of the world's merchant fleet, have communicated to the Organization their objections to the amendments;
3. INVITES the Parties to note that in accordance with article 16(2)(g)(ii) of the 1973 Convention the amendments shall enter into force on 1 July 1998 in accordance with paragraph 2 above;
4. REQUESTS the Secretary-General, in conformity with article 16(2)(e) of the 1973 Convention, to transmit to all Parties to the 1978 Protocol certified copies of the present resolution and the text of the amendments contained in the Annex; and
5. REQUESTS FURTHER the Secretary-General to transmit to the Members of the Organization which are not Parties to the 1978 Protocol copies of the resolution and its Annex.

ANNEX

AMENDMENTS TO THE BCH CODE

- 1 New paragraph 4.18.4 is added to chapter IV as follows:

"4.18.4 In order to avoid elevated temperatures, this cargo should not be carried in deck tanks."

- 2 The cross reference between paragraphs 16.6 of the IBC Code and 4.18 of the BCH Code is replaced by the following:

IBC Code reference

16.6.1
16.6.2
16.6.3
16.6.4

BCH Code reference

4.18.1
4.18.2
4.18.3
4.18.4

VOID

Attachment: Application form

Application for additional loading of new substances

Date:

Nippon Kaiji Kyokai

Applicant:

(address)

Contact person:

(with signature)

(Tel)

(Fax)

We hereby request the review on additional loading of the new substances according to the amendments to IBC/BCH codes and the re-issuance of “CERTIFICATE OF FITNESS FOR THE CARRIAGE OF DANGEROUS CHEMICALS IN BULK”*/
“INTERNATIONAL POLLUTION PREVENTION CERTIFICATE FOR THE CARRIAGE OF NOXIOUS LIQUID SUBSTANCES IN BULK”*.

Name of ship/ Class No.	
Gross Tonnage	
Flag state	
Type of ship	
New substances to be loaded	See attached list
Drawings submitted	

Attachment: list of new substances

* : Delete as appropriate