

**ANNEX 30****RESOLUTION MSC.236(82)****(adopted on 1 December 2006)****ADOPTION OF AMENDMENTS TO THE GUIDELINES FOR THE TRANSPORT AND HANDLING OF LIMITED AMOUNTS OF HAZARDOUS AND NOXIOUS LIQUID SUBSTANCES IN BULK ON OFFSHORE SUPPORT VESSELS**

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.673(16) by which the Assembly adopted the Guidelines for the transport and handling of limited amounts of hazardous and noxious liquid substances in bulk on offshore support vessels (LHNS Guidelines),

NOTING that the Assembly, by the aforementioned resolution, authorized the Maritime Safety Committee and the Marine Environment Protection Committee to amend the Guidelines as may be necessary,

NOTING ALSO that the Maritime Safety Committee, at its eighty-second session, adopted the Guidelines for the design and construction of offshore supply vessels, 2006 (OSV Guidelines),

NOTING FURTHER that the LHNS Guidelines were referred to in and applied in addition to the OSV Guidelines, stipulating that, where the Guidelines set forth alternative safety standards to those contained in the OSV Guidelines, the provisions of the LHNS Guidelines should be followed,

BEING DESIROUS of keeping the LHNS Guidelines up to date,

NOTING that the Marine Environment Protection Committee, at its fifty-fifth session, adopted by resolution MEPC.158(55) relevant amendments to the LHNS Guidelines,

CONSIDERING that it is highly desirable for the provisions of the LHNS Guidelines to remain identical when adopted by the Maritime Safety Committee and the Marine Environment Protection Committee,

HAVING CONSIDERED, at its eighty-second session, the amendments to the LHNS Guidelines proposed by the Sub-Committee on Stability and Load Lines and on Fishing Vessels Safety, at its forty-eighth session, which were contributed by the Sub-Committees on Bulk Liquids and Gases and on Dangerous Goods, Solid Cargoes and Containers,

1. ADOPTS the amendments to the Guidelines for the transport and handling of limited amounts of hazardous and noxious liquid substances in bulk on offshore support vessels (resolution A.673(16)), the text of which is set out in the Annex to the present resolution;
2. INVITES Governments to take appropriate steps to give effect to the annexed amendments to the LHNS Guidelines.

ANNEX

**AMENDMENTS TO THE GUIDELINES FOR THE TRANSPORT AND HANDLING OF  
LIMITED AMOUNTS OF HAZARDOUS AND NOXIOUS LIQUID SUBSTANCES  
IN BULK ON OFFSHORE SUPPORT VESSELS  
(RESOLUTION A.673(16))**

**PREAMBLE**

1 In paragraph 2, the words “regulation 13(4) of Annex II” are replaced by the words “regulation 11(2) of Annex II”.

2 In paragraph 5, the year “2006” is inserted after “Guidelines for the Design and Construction of Offshore Supply Vessels” and the words “(resolution A.469(XII))” are replaced by “resolution MSC.235(82)”.

**CHAPTER 1 – GENERAL**

**1.1 Application**

3 Paragraph 1.1.7 is deleted.

4 The following new paragraph 1.1.7 is inserted:

“1.1.7 For provisions regulating the transport of dangerous goods and marine pollutants in packaged form, including transport of dangerous goods in portable tanks, refer to the International Maritime Dangerous Goods (IMDG) Code.”

5 In paragraph 1.1.8, the reference to “(resolution A.469(XII))” is deleted in the first sentence and the words “to those contained in resolution A.469(XII)” are deleted in the second sentence.

**1.2 Scope**

6 In paragraph 1.2.2.1.2, the words “category A, B and C” are deleted.

**1.3 Definitions**

7 Paragraph 1.3.6 is deleted.

8 Paragraphs 1.3.7, 1.3.8 and 1.3.9 are renumbered as paragraphs 1.3.6, 1.3.7 and 1.3.8, respectively.

9 Paragraph 1.3.10 is renumbered as paragraph 1.3.9 and the words “, as amended” are added after “MEPC.19(22)”.

10 Paragraph 1.3.11 is renumbered as paragraph 1.3.10 and the words “, as amended” are added after “MSC.5(48)”.

11 Paragraphs 1.3.12 and 1.3.13 are deleted.

## **1.5 Survey and certification**

12 In paragraph 1.5.1, the following new sentence is added after the existing first sentence:

“If the language used is not English, French or Spanish, the text should include the translation into one of these languages.”

13 In paragraph 1.5.2, the words “regulation 11 of Annex II” are replaced by the words “regulations 7 and 9 of Annex II”.

## **CHAPTER 2 – STABILITY AND CARGO TANK LOCATION**

14 In paragraph 2.1.1, the year “2006” is inserted after the words “Guidelines for the design and construction of offshore supply vessels” and the words “(resolution A.469(XII))” are replaced by “resolution MSC.235(82)”.

## **CHAPTER 3 – SHIP DESIGN**

### **3.4 Cargo tank construction**

15 Paragraph 3.4.2 is deleted.

16 The following new paragraph 3.4.2 is inserted:

“3.4.2 Instead of the use of permanently attached deck-tanks, portable tanks meeting the requirements of the International Maritime Dangerous Goods (IMDG) Code or other portable tanks specifically approved by the Administration may be used for cargoes indicated in paragraph 1.2.2, provided that the tanks are properly located and secured to the vessel.”

17 In paragraph 3.4.4.1, the reference to “0.7 bar” is replaced by the reference to “0.07 MPa”.

### **3.6 Cargo tank vent systems**

18 In paragraph 3.6.2, the reference to “8.2.2” is replaced by the reference to “8.3.4”.

### **3.9 Fire-fighting requirements**

19 In paragraph 3.9.1.1, the references to “60, 61, 62 and 63” are replaced by the references to “4.5.5, 10.8 and 10.9”.

20 In paragraph 3.9.1.2, the references to “56.1, 56.2, 56.4, 56.8 and 56.7” are replaced by the references to “4.5.1.1, 4.5.1.2, 4.5.1.4, 4.5.2.1 to 4.5.2.3 and 9.2.4.2.5”, respectively and the word “metres” is replaced by the symbol “m”.

21 In paragraph 3.9.1.3, the reference to “57.1” is replaced by the reference to “9.2.4.1” and the reference to “42.5.1” is replaced by the reference to “9.2.3.1.1.1”.

22 In paragraph 3.9.1.4, the reference to “44” is replaced by the reference to “9.2.3” and the reference to “58” is replaced by the reference to “9.2.4.2”.

23 In paragraph 3.9.1.5, the word “regulation” is replaced by the word “regulations” and the reference to “59” is replaced by the reference to “4.5.3, 4.5.4 and 4.5.6 to 4.5.8”.

24 The existing text of paragraph 3.9.1.6 is replaced by the following:

“regulations 10.2, 10.4 and 10.5, except regulation 10.5.6, should apply as they would apply to tankers of 2,000 gross tonnage and over;”.

25 In paragraph 3.9.1.7, the reference to “61” is replaced by the reference to “10.8”.

26 In paragraph 3.9.1.8, the reference to “63” is replaced by the reference to “10.9”.

27 In paragraph 3.9.2.3, the words “should be provided” are deleted.

28 In paragraph 3.9.2.3.4.3, the words “per square metre” are deleted.

29 The existing text of paragraph 3.9.2.4 is replaced by the following:

“An alternative to the systems required in 3.9.2.3 above may be approved in accordance with the procedures contained in SOLAS regulation II-2/17.”

### **3.16 Emergency remote shutdown**

30 In paragraph 3.16, the reference to “50 bar gauge” is replaced by the reference to “5 MPa”.

## **CHAPTER 4 – POLLUTION REQUIREMENTS**

31 The existing text of paragraph 4.1 is replaced by the following:

“4.1 Each ship certified to carry noxious liquid substances should be provided with a Cargo Record Book, a Procedure and Arrangements Manual and a Shipboard Marine Emergency Plan developed for the ship in accordance with Annex II to MARPOL 73/78 and approved by the Administration.”

32 The existing text of paragraph 4.2 is replaced by the following:

“4.2 Discharge into the sea of residues of noxious liquid substances permitted for the carriage in Ship Type 3, or products listed in appendix 1 or ballast water, tank washings, or other residues or mixtures containing such substances, is prohibited. Any discharges of residues and mixtures containing noxious liquid substances should be to reception facilities in port. As a consequence of this prohibition, the Administration may waive the requirements for efficient stripping and underwater discharge arrangements in MARPOL 73/78, Annex II.”

33 Paragraph 4.3 is deleted and paragraph 4.4 is renumbered as paragraph 4.3.

34 The existing text of appendix 1 is replaced by the following:

## APPENDIX 1

### TABLE OF PERMITTED PRODUCTS

	<b>Flammability</b>
Oil-based mud containing mixtures of products listed in chapters 17 and 18 of the IBC Code and the MEPC.2/Circular and permitted to be carried under paragraph 1.2 of these Guidelines	No
Water-based mud containing mixtures of products listed in chapters 17 and 18 of the IBC Code and the MEPC.2/Circular and permitted to be carried under paragraph 1.2 of these Guidelines	No
Drilling Brines, including:	No
Sodium Chloride Solution	No
Calcium Bromide Solution	No
Calcium Chloride Solution	No
Calcium nitrate/Magnesium nitrate/Potassium chloride solution	No
Calcium Nitrate Solution (50% or less)	No
Drilling brines (containing zinc salts)	No
Potassium Formate Solution	No
Potassium Chloride Solution	No
Ethyl Alcohol	Yes
Ethylene Glycol	No
Ethylene Glycol monoalkyl ether	Yes
Methyl Alcohol	Yes
Acetic acid	Yes
Formic acid	Yes
Hydrochloric Acid	No
Hydrochloric-hydrofluoric mixtures containing 3% or less Hydrofluoric acid	No
Sodium Silicate Solution	No
Sulphuric Acid	No
Triethylene Glycol	Yes
Toluene	Yes
Xylene	Yes
Liquid carbon dioxide	No
Liquid nitrogen	No
Noxious liquid, NF, (7) n.o.s. (trade name ..., contains ...) ST3, Cat. Y	No
Noxious liquid, F, (8) n.o.s. (trade name ....., contains ...) ST3, Cat. Y	Yes
Noxious liquid, NF, (9) n.o.s. (trade name ..., contains ...) ST3, Cat. Z	No
Noxious liquid, F, (10) n.o.s. (trade name ..., contains ...) ST3, Cat. Z	Yes
Noxious liquid, (11) n.o.s. (trade name ..., contains ...) Cat. Z	No
Non-noxious liquid, (12) n.o.s. (trade name ..., contains ...) Cat. OS	No

**APPENDIX 2**

**MODEL FORM OF CERTIFICATE OF FITNESS**

35 The existing text of appendix 2 is replaced by the following:

**“CERTIFICATE OF FITNESS**

*(Official seal)*

Issued under the provisions of the

**GUIDELINES FOR THE TRANSPORT AND HANDLING OF LIMITED AMOUNTS OF  
HAZARDOUS AND NOXIOUS LIQUID SUBSTANCES IN BULK ON OFFSHORE  
SUPPORT VESSELS**

(resolution A.673(16), as amended by resolutions MSC.236(82) and MEPC.158(55))

under the authority of the Government of

.....  
*(full official designation of country)*

by .....  
*(full official designation of the competent person  
or organization recognized by the Administration)*

**Particulars of ship<sup>1</sup>**

Name of ship .....  
Distinctive number or letters .....  
IMO Number<sup>2</sup> .....  
Port of registry .....  
Gross tonnage .....  
Date on which keel was laid or on  
which the vessel was at a similar  
stage of construction or (in the case of a converted vessel) date  
on which conversion for the carriage  
of bulk liquids subject to these  
Guidelines was commenced: .....

The ship also complies fully with the following amendments to the Guidelines:

.....  
.....

The ship is exempted from compliance with the following provisions of the Guidelines:

.....  
.....

<sup>1</sup> Alternatively, the particulars of the ship may be placed horizontally in boxes.  
<sup>2</sup> In accordance with the IMO ship identification number scheme, adopted by the Organization by resolution A.600(15).

THIS IS TO CERTIFY:

- 1 That the ship has been surveyed in accordance with the provisions of 1.5 of the Guidelines.
- 2 That the survey showed that the construction and equipment of the ship:
  - .1 complied with the relevant provisions of the Guidelines applicable to “new” ships<sup>3</sup>;
  - .2 complied with the provisions of the Guidelines in respect of “existing” ships<sup>3</sup>.
- 3 That the ship has been provided with a Manual in accordance with Appendix 4 of Annex II of MARPOL 73/78 as called for by regulation 14 of Annex II and that the arrangements and equipment of the vessel prescribed in the manual are in all respects satisfactory.
- 4 That the ship complies with the requirements of the Guidelines and Annex II to MARPOL 73/78 for carriage in bulk of the following products provided that all relevant operational provisions of the Guidelines and Annex II are observed:

Products (refer to Notes 1, 2 on completion of Certificate)	Conditions of carriage (tank numbers, etc.)	Pollution Category
Continued on attachment 1, additional signed and dated sheets <sup>3</sup> . Tank numbers referred to in this list are identified on attachment 2, showing a signed and dated simplified tank plan.		

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<sup>3</sup> Delete as appropriate.

5 That, in accordance with 1.4<sup>3</sup> of the Guidelines and 2.8.2<sup>3</sup> of the IBC Code, the provisions of the Guidelines and the Code are modified in respect of the vessel in the following manner:  
.....

6 That the ship must be loaded:

.1 in accordance with the loading conditions provided in the approved loading manual, stamped and dated ..... and signed by a responsible officer of the Administration, or of an organization recognized by the Administration<sup>3</sup>;

.2 in accordance with the loading limitations appended to this Certificate<sup>3</sup>.

Where it is required to load the ship other than in accordance with the above instructions, then the necessary calculations to justify the proposed loading conditions should be communicated to the certifying Administration who may authorize in writing the adoption of the proposed loading condition.<sup>4</sup>

This Certificate is valid until: .....<sup>5</sup>  
(dd/mm/yyyy)

subject to surveys in accordance with 1.5 of the Guidelines.

Completion date of the survey on which this certificate is based: .....  
(dd/mm/yyyy)

Issued at .....  
(Place of issue of Certificate)

.....  
(Date of issue)

.....  
(Signature of authorized official  
issuing the certificate)

(Seal or stamp of the authority, as appropriate)

<sup>3</sup> Delete as appropriate.

<sup>4</sup> Instead of being incorporated in the Certificate, this text may be appended to the Certificate if duly signed and stamped.

<sup>5</sup> Insert the day of expiry, as specified by the Administration, which should not exceed 5 years from the date of initial survey or the periodical survey.



Notes on completion of Certificate:

- 1 Products: products listed in appendix 1 to the Guidelines or which have been evaluated by the Administration in accordance with 1.2.4 of the Guidelines should be listed. In respect of the latter “new” products, any special requirements provisionally prescribed should be noted.
- 2 Products: the list of products the vessel is suitable to carry should include the Noxious Liquid Substances of category Z which are not covered by the Guidelines and should be identified as “IBC Code chapter 18 category Z”.

### ENDORSEMENT FOR ANNUAL AND INTERMEDIATE SURVEYS

THIS IS TO CERTIFY that at a survey required by 1.5.2 of the Code the ship was found to comply with the relevant provisions of the Guidelines.

Annual survey: Signed: .....  
(Signature of duly authorized official)  
Place: .....  
Date: .....  
(dd/mm/yyyy)

(Seal or stamp of the Authority, as appropriate)

Annual/Intermediate<sup>3</sup> survey: Signed: .....  
(Signature of duly authorized official)  
Place: .....  
Date: .....  
(dd/mm/yyyy)

(Seal or stamp of the Authority, as appropriate)

Annual/Intermediate<sup>3</sup> survey: Signed: .....  
(Signature of duly authorized official)  
Place: .....  
Date: .....  
(dd/mm/yyyy)

(Seal or stamp of the Authority, as appropriate)

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<sup>3</sup> Delete as appropriate.

Annual survey:

Signed: .....  
(Signature of duly authorized official)

Place: .....

Date: .....  
(dd/mm/yyyy)

*(Seal or stamp of the Authority, as appropriate)*

**ANNUAL/INTERMEDIATE SURVEY IN ACCORDANCE WITH PARAGRAPH 1.5.6.8.3**

THIS IS TO CERTIFY that, at an annual/intermediate<sup>3</sup> survey in accordance with paragraph 1.5.8.6.3 of the Code, the ship was found to comply with the relevant provisions of the Guidelines:

Signed: .....  
(Signature of duly authorized official)

Place: .....

Date: .....  
(dd/mm/yyyy)

*(Seal or stamp of the Authority, as appropriate)*

**ENDORSEMENT TO EXTEND THE CERTIFICATE IF VALID  
FOR LESS THAN 5 YEARS WHERE PARAGRAPH 1.5.6.3 APPLIES**

The ship complies with the relevant provisions of the Guidelines, and this Certificate shall, in accordance with paragraph 1.5.6.3 of the Code, be accepted as valid until:

.....  
(dd/mm/yyyy)

Signed: .....  
(Signature of duly authorized official)

Place: .....

Date: .....  
(dd/mm/yyyy)

*(Seal or stamp of the Authority, as appropriate)*

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<sup>3</sup> Delete as appropriate.

**ENDORSEMENT WHERE THE RENEWAL SURVEY HAS BEEN  
COMPLETED AND PARAGRAPH 1.5.6.4 APPLIES**

The ship complies with the relevant provisions of the Guidelines, and this Certificate shall, in accordance with paragraph 1.5.6.4 of the Code, be accepted as valid until:

.....  
(dd/mm/yyyy)

Annual survey:

Signed: .....  
(Signature of duly authorized official)

Place: .....

Date: .....  
(dd/mm/yyyy)

(Seal or stamp of the Authority, as appropriate)

**ENDORSEMENT TO EXTEND THE VALIDITY OF THE CERTIFICATE  
UNTIL REACHING THE PORT OF SURVEY OR FOR A PERIOD  
OF GRACE WHERE PARAGRAPH 1.5.6.5 OR 1.5.66 APPLIES**

This Certificate shall, in accordance with paragraph 1.5.6.5/1.5.6.6<sup>3</sup> of the Code, be accepted as valid until .....

Signed: .....  
(Signature of duly authorized official)

Place: .....

Date: .....  
(dd/mm/yyyy)

(Seal or stamp of the Authority, as appropriate)

**ENDORSEMENT FOR ADVANCEMENT OF ANNIVERSARY DATE WHERE  
PARAGRAPH 1.5.6.8 APPLIES**

In accordance with paragraph 1.5.6.8 of the Code, the new anniversary date is .....

Signed: .....  
(Signature of duly authorized official)

Place: .....

Date: .....  
(dd/mm/yyyy)

(Seal or stamp of the Authority, as appropriate)

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<sup>3</sup> Delete as appropriate.

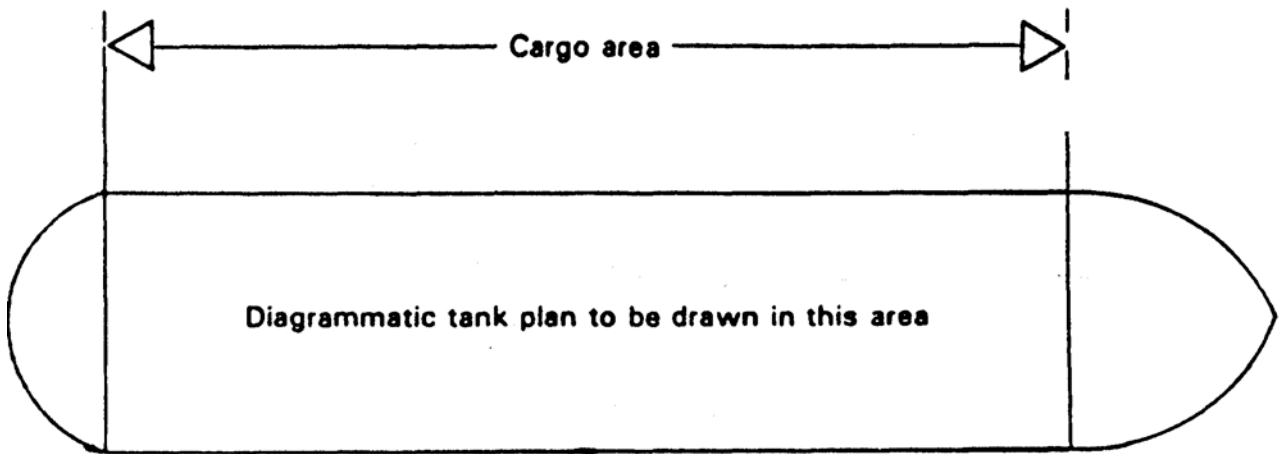


**ATTACHMENT 2 TO THE CERTIFICATE OF FITNESS**

**TANK PLAN (specimen)**

Name of ship: .....

Distinctive number or letters: .....



Date .....

*(dd/mm/yyyy)*  
*(as for certificate)*

.....

*(Signature of official issuing the Certificate  
and/or seal of issuing authority)"*

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