

**ANNEX 2**

**RESOLUTION MSC.216(82)**

**(adopted on 8 December 2006)**

**ADOPTION OF AMENDMENTS TO THE INTERNATIONAL CONVENTION FOR  
THE SAFETY OF LIFE AT SEA, 1974, AS AMENDED**

THE MARITIME SAFETY COMMITTEE,

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

RECALLING FURTHER article VIII(b) of the International Convention for the Safety of Life at Sea (SOLAS), 1974 (hereinafter referred to as “the Convention”), concerning the amendment procedure applicable to the Annex to the Convention, other than to the provisions of chapter I thereof,

HAVING CONSIDERED, at its eighty-second session, amendments to the Convention, proposed and circulated in accordance with article VIII(b)(i) thereof,

1. ADOPTS, in accordance with article VIII(b)(iv) of the Convention, amendments to the Convention, the text of which is set out in Annexes 1, 2 and 3 to the present resolution;
2. DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that:
  - (a) the said amendments, set out in Annex 1, shall be deemed to have been accepted on 1 January 2008;
  - (b) the said amendments, set out in Annex 2, shall be deemed to have been accepted on 1 July 2008; and
  - (c) the said amendments, set out in Annex 3, shall be deemed to have been accepted on 1 January 2010,

unless, prior to those dates, more than one third of the Contracting Governments to the 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 SOLAS Contracting Governments to note that, in accordance with article VIII(b)(vii)(2) of the Convention:
  - (a) the amendments, set out in Annex 1, shall enter into force on 1 July 2008;
  - (b) the amendments, set out in Annex 2, shall enter into force on 1 January 2009; and
  - (c) the amendments, set out in Annex 3, shall enter into force on 1 July 2010,

upon their acceptance in accordance with paragraph 2 above;

4. REQUESTS the Secretary-General, in conformity with article VIII(b)(v) of the Convention, to transmit certified copies of the present resolution and the text of the amendments contained in Annexes 1, 2 and 3 to all Contracting Governments to the Convention;

5. FURTHER REQUESTS the Secretary-General to transmit copies of this resolution and its Annexes 1, 2 and 3 to Members of the Organization, which are not Contracting Governments to the Convention.

ANNEX 1

**AMENDMENTS TO THE INTERNATIONAL CONVENTION FOR  
THE SAFETY OF LIFE AT SEA, 1974, AS AMENDED**

**CHAPTER II-1  
CONSTRUCTION – STRUCTURE, SUBDIVISION AND STABILITY,  
MACHINERY AND ELECTRICAL INSTALLATIONS**

**PART A-1  
STRUCTURE OF SHIPS**

**Regulation 3-2 – Corrosion prevention of seawater ballast tanks in oil tankers and bulk carriers**

1 The existing text and the heading of regulation 3-2 are replaced by the following:

**“Protective coatings of dedicated seawater ballast tanks in all types of ships  
and double-side skin spaces of bulk carriers**

1 Paragraphs 2 and 4 of this regulation shall apply to ships of not less than 500 gross tonnage:

- .1 for which the building contract is placed on or after 1 July 2008; or
- .2 in the absence of a building contract, the keels of which are laid or which are at a similar stage of construction on or after 1 January 2009; or
- .3 the delivery of which is on or after 1 July 2012.

2 All dedicated seawater ballast tanks arranged in ships and double-side skin spaces arranged in bulk carriers of 150 m in length and upwards shall be coated during construction in accordance with the Performance standard for protective coatings for dedicated seawater ballast tanks in all types of ships and double-side skin spaces of bulk carriers, adopted by the Maritime Safety Committee by resolution MSC.215(82), as may be amended by the Organization, provided that such amendments are adopted, brought into force and take effect in accordance with the provisions of article VIII of the present Convention concerning the amendment procedures applicable to the Annex other than chapter I.

3 All dedicated seawater ballast tanks arranged in oil tankers and bulk carriers constructed on or after 1 July 1998, for which paragraph 2 is not applicable, shall comply with the requirements of regulation II-1/3-2 adopted by resolution MSC.47(66).

4 Maintenance of the protective coating system shall be included in the overall ship's maintenance scheme. The effectiveness of the protective coating system shall be verified during the life of a ship by the Administration or an organization recognized by the Administration, based on the guidelines developed by the Organization.\*”

\* Refer to the guidelines to be developed by the Organization.

## CHAPTER II-2 CONSTRUCTION – FIRE PROTECTION, FIRE DETECTION AND FIRE EXTINCTION

### **Regulation 1 – Application**

- 2 In paragraph 2.2.3, the second occurrence of the word “and” is deleted.
- 3 In paragraph 2.2.4, “.” is replaced by “; and”.
- 4 In paragraph 2.2, the following new subparagraph .5 is added after the existing subparagraph .4:
  - “.5 regulations 5.3.1.3.2 and 5.3.4 to passenger ships not later than the date of the first survey after 1 July 2008.”

### **Regulation 3 – Definitions**

- 5 The following new paragraph 53 is added after the existing paragraph 52:
  - “53 *Cabin balcony* is an open deck space which is provided for the exclusive use of the occupants of a single cabin and has direct access from such a cabin.”

### **Regulation 4 – Probability of ignition**

- 6 The following text is added at the end of paragraph 5.2.3:
  - “except that “A-0” class standard is acceptable for windows and sidescuttles outside the limit specified in regulation 9.2.4.2.5.”
- 7 In paragraph 4.4, the words “or if applied on cabin balconies of passenger ships constructed on or after 1 July 2008,” are added between the words “stations” and “shall”.

### **Regulation 5 – Fire growth potential**

- 8 In paragraph 3.1.2.1, the last sentence is deleted.
- 9 The following new paragraph 3.1.3 is inserted:
  - “3.1.3 *Partial bulkheads and decks on passenger ships*
    - 3.1.3.1 Partial bulkheads or decks used to subdivide a space for utility or artistic treatment shall be of non-combustible materials.
    - 3.1.3.2 Linings, ceilings and partial bulkheads or decks used to screen or to separate adjacent cabin balconies shall be of non-combustible materials. Cabin balconies on passenger ships constructed before 1 July 2008 shall comply with the requirements of this paragraph by the first survey after 1 July 2008.”

10 In the first sentence of paragraph 3.2.1.1, the words “and cabin balconies” are added between the words “spaces” and “which”, and the following new sentence is added at the end of the paragraph:

“However, the provisions of paragraph 3.2.3 need not be applied to cabin balconies.”

11 The following new subparagraph .3 is added to the existing paragraph 3.2.4.1:

“.3 exposed surfaces of cabin balconies, except for natural hard wood decking systems.”

12 The following new paragraph 3.4 is added after the existing paragraph 3.3:

“3.4 *Furniture and furnishings on cabin balconies of passenger ships*

On passenger ships, furniture and furnishings on cabin balconies shall comply with regulations 3.40.1, 3.40.2, 3.40.3, 3.40.6 and 3.40.7 unless such balconies are protected by a fixed pressure water-spraying and fixed fire detection and fire alarm systems complying with regulations 7.10 and 10.6.1.3. Passenger ships constructed before 1 July 2008 shall comply with the requirements of this paragraph by the first survey after 1 July 2008.”

#### **Regulation 6 – Smoke generation potential and toxicity**

13 The existing paragraph 2 is renumbered as paragraph 2.1.

14 The following new paragraph 2.2 is added after the renumbered paragraph 2.1:

“2.2 On passenger ships constructed on or after 1 July 2008, paints, varnishes and other finishes used on exposed surfaces of cabin balconies, excluding natural hard wood decking systems, shall not be capable of producing excessive quantities of smoke and toxic products, this being determined in accordance with the Fire Test Procedures Code.”

15 The existing paragraph 3 is renumbered as paragraph 3.1.

16 The following new paragraph 3.2 is added after the renumbered paragraph 3.1:

“3.2 On passenger ships constructed on or after 1 July 2008, primary deck coverings on cabin balconies shall not give rise to smoke, toxic or explosive hazards at elevated temperatures, this being determined in accordance with the Fire Test Procedures Code.”

#### **Regulation 7 – Detection and alarm**

17 The following new paragraph 10 is added after the existing paragraph 9.4:

“**10 Protection of cabin balconies on passenger ships**

A fixed fire detection and fire alarm system complying with the provisions of the Fire Safety Systems Code shall be installed on cabin balconies of ships to which regulation 5.3.4 applies, when furniture and furnishings on such balconies are not as defined in regulations 3.40.1, 3.40.2, 3.40.3, 3.40.6 and 3.40.7.”

### **Regulation 9 – Containment of fire**

18 The following new paragraph 2.2.6 is added after the existing paragraph 2.2.5.2:

*“2.2.6 Arrangement of cabin balconies*

On passenger ships constructed on or after 1 July 2008, non-load bearing partial bulkheads which separate adjacent cabin balconies shall be capable of being opened by the crew from each side for the purpose of fighting fires.”

### **Regulation 10 – Fire fighting**

19 The heading of paragraph 6.1 is replaced by the following:

*“6.1 Sprinkler and water spray systems in passenger ships”*

20 The following new paragraph 6.1.3 is added after the existing paragraph 6.1.2:

“6.1.3 A fixed pressure water-spraying fire-extinguishing system complying with the provisions of the Fire Safety Systems Code shall be installed on cabin balconies of ships to which regulation 5.3.4 applies, where furniture and furnishings on such balconies are not as defined in regulations 3.40.1, 3.40.2, 3.40.3, 3.40.6 and 3.40.7.”

## **CHAPTER III LIFE-SAVING APPLIANCES AND ARRANGEMENTS**

### **Regulation 6 – Communications**

21 Paragraph 4.3 is replaced by the following:

“4.3 The general emergency alarm system shall be audible throughout all the accommodation and normal crew working spaces. On passenger ships, the system shall also be audible on all open decks.”

### **Regulation 11 – Survival craft muster and embarkation arrangements**

22 In the first sentence of paragraph 7, the word “unfavourable” is replaced by the word “all” and the unit “°” is inserted after the terms “10” and “20”.

### **Regulation 14 – Stowage of rescue boats**

23 The words “, and if the inflated type, in a fully inflated condition at all times” are added at the end of subparagraph .1.

### **Regulation 19 – Emergency training and drills**

24 Paragraph 3.3.4 is replaced by the following:

“3.3.4 In the case of a lifeboat arranged for free-fall launching, at least once every three months during an abandon ship drill the crew shall board the lifeboat, properly secure

themselves in their seats and commence launch procedures up to but not including the actual release of the lifeboat (i.e., the release hook shall not be released). The lifeboat shall then either be free-fall launched with only the required operating crew on board, or lowered into the water by means of the secondary means of launching with or without the operating crew on board. In both cases the lifeboat shall thereafter be manoeuvred in the water by the operating crew. At intervals of not more than six months, the lifeboat shall either be launched by free-fall with only the operating crew on board, or simulated launching shall be carried out in accordance with the guidelines developed by the Organization\*.”

\* Refer to Measures to prevent accidents with lifeboats (MSC.1/Circ.1206).

## **Regulation 20 – Operational readiness, maintenance and inspections**

25 Paragraphs 4.1 and 4.2 are replaced by the following:

“Falls used in launching shall be inspected periodically\* with special regard for areas passing through sheaves, and renewed when necessary due to deterioration of the falls or at intervals of not more than 5 years, whichever is the earlier.”

\* Refer to Measures to prevent accidents with lifeboats (MSC.1/Circ.1206).

26 In the third sentence of paragraph 6.2, the words “it should be run for such period as prescribed in the manufacturer’s handbook” are replaced by the words “a suitable water supply may be provided”.

27 The heading of paragraph 8 is replaced by the following:

“8 Servicing of inflatable liferafts, inflatable lifejackets, marine evacuation systems and maintenance and repair of inflated rescue boats”

28 The second sentence of paragraph 11.1.3 is replaced by the following:

“The load to be applied shall be the mass of the survival craft or rescue boat without persons on board, except that, at intervals not exceeding five years, the test shall be carried out with a proof load equal to 1.1 times the weight of the survival craft or rescue boat and its full complement of persons and equipment.”

29 The chapeau of paragraph 11.2 is replaced by the following:

“11.2 Lifeboat or rescue boat on-load release gear, including free-fall lifeboat release systems, shall be:”

30 In the first sentence of paragraph 11.2.3, the word “lifeboat” is replaced by the word “boat”.

31 The following new paragraph 11.3 is added to the regulation:

“11.3 Davit-launched liferaft automatic release hooks shall be:

- .1 maintained in accordance with instructions for on-board maintenance as required by regulation 36;
- .2 subject to a thorough examination and operational test during the annual surveys required by regulations I/7 and I/8 by properly trained personnel familiar with the system; and
- .3 operationally tested under a load of 1.1 times the total mass of the liferaft when loaded with its full complement of persons and equipment whenever the automatic release hook is overhauled. Such over-hauling and test shall be carried out at least once every five years.\*”

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\* Refer to the Recommendation on testing of life-saving appliances, as adopted by the Organization by resolution A.689(17). For life-saving appliances installed on board on or after 1 July 1999, refer to the Revised Recommendations on testing of life-saving appliances, as adopted by the Maritime Safety Committee of the Organization by resolution MSC.81(70).

#### **Regulation 21 – Survival craft and rescue boats**

32 The chapeau of paragraph 1.2 is replaced by the following:

“1.2 Passenger ships engaged on short international voyages shall carry:”

33 Paragraph 1.3 is deleted and the remaining paragraphs are renumbered accordingly.

34 In paragraph 1.4, the words “after all persons have been assembled, with lifejackets donned” are added at the end of the paragraph.

35 Paragraph 2.3 is replaced by the following:

“2.3 A lifeboat may be accepted as a rescue boat provided that it and its launching and recovery arrangements also comply with the requirements for a rescue boat.”

36 In paragraph 3.2, the words “and complying with the special standards of subdivision prescribed by regulation II-1/6.5” are deleted.

#### **Regulation 26 – Additional requirements for ro-ro passenger ships**

37 In paragraph 3.1, the words “approved by the Administration having regard for the recommendations approved by the Organization” are replaced by the words “complying with section 5.1.4 of the Code”.

38 In paragraph 3.2, all the words after the word “appliance” are replaced by the words “complying with section 6.1.7 of the Code”.

#### **Regulation 31 – Survival craft and rescue boats**

39 Subparagraph .2 of paragraph 1.1 is replaced by the following:



“2 in addition, one or more inflatable or rigid liferafts, complying with the requirements of section 4.2 or 4.3 of the Code, of a mass of less than 185 kg and stowed in a position providing for easy side-to-side transfer at a single open deck level, and of such aggregate capacity as will accommodate the total number of persons on board. If the liferaft or liferafts are not of a mass of less than 185 kg and stowed in a position providing for easy side-to-side transfer at a single open deck level, the total capacity available on each side shall be sufficient to accommodate the total number of persons on board.”

40 Subparagraph .2 of paragraph 1.3 is replaced by the following:

“2 unless the liferafts required by paragraph 1.3.1 are of a mass of less than 185 kg and stowed in a position providing for easy side-to-side transfer at a single open deck level, additional liferafts shall be provided so that the total capacity available on each side will accommodate 150% of the total number of persons on board;”

41 Subparagraph .4 of paragraph 1.3 is replaced by the following:

“4 in the event of any one survival craft being lost or rendered unserviceable, there shall be sufficient survival craft available for use on each side, including any which are of a mass of less than 185 kg and stowed in a position providing for easy side-to-side transfer at a single open deck level, to accommodate the total number of persons on board.”

42 The second sentence of paragraph 2 is replaced by the following:

“A lifeboat may be accepted as a rescue boat, provided that it and its launching and recovery arrangements also comply with the requirements for a rescue boat.”

### **Regulation 32 – Personal life-saving appliances**

43 In the first sentence of paragraph 3.2, the words “of an appropriate size,” are inserted between the words “suits” and “complying”.

44 In paragraph 3.3, the words “including remotely located survival craft carried in accordance with regulation 31.1.4”, are inserted between the words “stowed,” and “additional” and the words “of an appropriate size” are inserted between the words “suits” and “shall”.

### **Regulation 35 – Training manual and on-board training aids**

45 The following new paragraph 5 is added after the existing paragraph 4:

“5 The training manual shall be written in the working language of the ship.”

## **CHAPTER XII ADDITIONAL SAFETY MEASURES FOR BULK CARRIERS**

### **Regulation 6 – Structural and other requirements for bulk carriers**

46 The existing paragraph 3 is deleted and the existing paragraphs 4 and 5 are renumbered as paragraphs 3 and 4.

### **Regulation 12 – Hold, ballast and dry space water ingress alarms**

47 In paragraph 1.2, the reference to “regulation II-1/11” is replaced by the reference to “regulation II-1/12”.

### **Regulation 13 – Availability of pumping systems**

48 In paragraph 1, the reference to “regulation II-1/11.4” is replaced by the reference to “regulation II-1/12”.

## **APPENDIX CERTIFICATES**

49 In the Passenger Ship Safety Certificate, Cargo Ship Safety Construction Certificate and Cargo Ship Safety Certificate, the phrase “Date on which keel was laid or ship was at a similar stage of construction or, where applicable, date on which work for a conversion or an alteration or modification of a major character was commenced .....” is replaced by the following:

“Date of build:

- Date of building contract .....
- Date on which keel was laid or ship was at similar stage of construction .....
- Date of delivery .....
- Date on which work for a conversion or an alteration or modification of a major character was commenced (where applicable) .....

All applicable dates shall be completed.”

### **Record of Equipment for the Passenger Ship Safety Certificate (Form P)**

50 In the Record of Equipment for the Passenger Ship Safety Certificate (Form P), the following new item 4.2 is inserted in section 5 after item 4:

“4.2 Long-range identification and tracking system”,

and item 4 (Automatic identification system (AIS)) is renumbered as item 4.1.

### **Record of Equipment for the Cargo Ship Safety Equipment Certificate (Form E)**

51 In the Record of Equipment for the Cargo Ship Safety Equipment Certificate (Form E), the following new item 4.2 is inserted in section 3 after item 4:

“4.2 Long-range identification and tracking system”,

and item 4 (Automatic identification system (AIS)) is renumbered as item 4.1.

### **Record of Equipment for the Cargo Ship Safety Certificate (Form C)**

52 In the Record of Equipment for the Cargo Ship Safety Certificate (Form C), the following new item 4.2 is inserted in section 5 after item 4:

“4.2 Long-range identification and tracking system”,

and item 4 (Automatic identification system (AIS)) is renumbered as item 4.1.

### **Form of Safety Certificate for Nuclear Passenger Ships**

53 In the table of paragraph 2.1.3, in the section commencing with the words “THIS IS TO CERTIFY:”, the reference to “regulation II-1/13” is replaced by the reference to “regulation II-1/18”.