

**ANNEX 1**

**RESOLUTION MSC.282(86)  
(adopted on 5 June 2009)**

**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-sixth 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 the Annex to the present resolution;
2. DETERMINES, in accordance with article VIII(b)(vi)(2)(bb) of the Convention, that the said amendments shall be deemed to have been accepted on 1 July 2010, unless, prior to that date, 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, the amendments shall enter into force on 1 January 2011 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 the Annex to all Contracting Governments to the 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 Convention.

ANNEX

**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 3-5 – New installation of materials containing asbestos**

1 The existing text of paragraph 2 is replaced by the following:

“From 1 January 2011, for all ships, new installation of materials which contain asbestos shall be prohibited.”

**Part C  
Machinery installations**

**Regulation 35-1 – Bilge pumping arrangements**

2 The following new paragraph 2.6.3 is added after the existing paragraph 2.6.2:

“2.6.3 Provisions for the drainage of closed vehicle and ro-ro spaces and special category spaces shall also comply with regulations II-2/20.6.1.4 and II-2/20.6.1.5.”

**CHAPTER V  
SAFETY OF NAVIGATION**

**Regulation 19 – Carriage requirements for shipborne navigational systems and equipment**

3 In paragraph 2.1, the existing subparagraph .4 is replaced by the following:

“.4 nautical charts and nautical publications to plan and display the ship’s route for the intended voyage and to plot and monitor positions throughout the voyage. An electronic chart display and information system (ECDIS) is also accepted as meeting the chart carriage requirements of this subparagraph. Ships to which paragraph 2.10 applies shall comply with the carriage requirements for ECDIS detailed therein;”.

4 In paragraph 2.2, the new subparagraphs .3 and .4 are added after the existing subparagraph .2 as follows:

- “.3 a bridge navigational watch alarm system (BNWAS), as follows:
- .1 cargo ships of 150 gross tonnage and upwards and passenger ships irrespective of size constructed on or after 1 July 2011;
  - .2 passenger ships irrespective of size constructed before 1 July 2011, not later than the first survey\* after 1 July 2012;
  - .3 cargo ships of 3,000 gross tonnage and upwards constructed before 1 July 2011, not later than the first survey\* after 1 July 2012;
  - .4 cargo ships of 500 gross tonnage and upwards but less than 3,000 gross tonnage constructed before 1 July 2011, not later than the first survey\* after 1 July 2013; and
  - .5 cargo ships of 150 gross tonnage and upwards but less than 500 gross tonnage constructed before 1 July 2011, not later than the first survey\* after 1 July 2014.

The bridge navigational watch alarm system shall be in operation whenever the ship is underway at sea;

- .4 a bridge navigational watch alarm system (BNWAS) installed prior to 1 July 2011 may subsequently be exempted from full compliance with the standards adopted by the Organization, at the discretion of the Administration.”

---

\* Refer to the Unified interpretation of the term “first survey” referred to in SOLAS regulations (MSC.1/Circ.1290).

5 After the existing paragraph 2.9, the new paragraphs 2.10 and 2.11 are added as follows:

“2.10 Ships engaged on international voyages shall be fitted with an Electronic Chart Display and Information System (ECDIS) as follows:

- .1 passenger ships of 500 gross tonnage and upwards constructed on or after 1 July 2012;
- .2 tankers of 3,000 gross tonnage and upwards constructed on or after 1 July 2012;
- .3 cargo ships, other than tankers, of 10,000 gross tonnage and upwards constructed on or after 1 July 2013;
- .4 cargo ships, other than tankers, of 3,000 gross tonnage and upwards but less than 10,000 gross tonnage constructed on or after 1 July 2014;
- .5 passenger ships of 500 gross tonnage and upwards constructed before 1 July 2012, not later than the first survey\* on or after 1 July 2014;

- .6 tankers of 3,000 gross tonnage and upwards constructed before 1 July 2012, not later than the first survey\* on or after 1 July 2015;
- .7 cargo ships, other than tankers, of 50,000 gross tonnage and upwards constructed before 1 July 2013, not later than the first survey\* on or after 1 July 2016;
- .8 cargo ships, other than tankers, of 20,000 gross tonnage and upwards but less than 50,000 gross tonnage constructed before 1 July 2013, not later than the first survey\* on or after 1 July 2017; and
- .9 cargo ships, other than tankers, of 10,000 gross tonnage and upwards but less than 20,000 gross tonnage constructed before 1 July 2013, not later than the first survey\* on or after 1 July 2018.

2.11 Administrations may exempt ships from the application of the requirements of paragraph 2.10 when such ships will be taken permanently out of service within two years after the implementation date specified in subparagraphs .5 to .9 of paragraph 2.10.”

---

\* Refer to the Unified interpretation of the term “first survey” referred to in SOLAS regulations (MSC.1/Circ.1290).

## **CHAPTER VI CARRIAGE OF CARGOES**

6 The title of chapter VI is replaced by the following:

### **“CARRIAGE OF CARGOES AND OIL FUELS”**

#### **Regulation 1 – Application**

7 At the beginning of paragraph 1, the words “Unless expressly provided otherwise,” are added and the existing word “This” is replaced by the word “this”.

#### **Regulation 5-1 – Material safety data sheets**

8 The existing text of the regulation is replaced by the following:

“Ships carrying oil or oil fuel, as defined in regulation 1 of Annex 1 of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, shall be provided with material safety data sheets, based on the recommendations developed by the Organization\*, prior to the loading of such oil as cargo in bulk or bunkering of oil fuel.”

---

\* Refer to the Recommendations for material safety data sheets (MSDS) for MARPOL Annex I oil cargo and oil fuel, adopted by the Organization by resolution MSC.286(86), as may be amended.

## **APPENDIX CERTIFICATES**

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

9 In the Record of Equipment for the Passenger Ship Safety Certificate (Form P), in section 5, a new item 14 is inserted as follows:

“14 Bridge navigational watch alarm system (BNWAS)”.

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

10 In the Record of Equipment for the Cargo Ship Safety Equipment Certificate (Form E), in section 3, a new item 14 is inserted as follows:

“14 Bridge navigational watch alarm system (BNWAS)”.

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

11 In the Record of Equipment for Nuclear Passenger Ship Safety Certificate (Form PNUC), in section 5, a new item 15 is inserted as follows:

“15 Bridge navigational watch alarm system (BNWAS)”.

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

12 In the Record of Equipment for Nuclear Cargo Ship Safety Certificate (Form CNUC), in section 5, a new item 14 is inserted as follows:

“14 Bridge navigational watch alarm system (BNWAS)”.

\* \* \*

### **FOOTNOTE TO BE ADDED TO SOLAS REGULATION V/18**

In the existing footnote to paragraph 2, the following reference is added after the last reference:

“Performance standards for a bridge navigational watch alarm system (BNWAS) (resolution MSC.128(75))”.

\*\*\*