

## **RESOLUTION MSC.99(73)**

### **(adopted on 5 December 2000)**

#### **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 procedures for amending the Annex to the Convention, other than the provisions of chapter I thereof,

HAVING CONSIDERED, at its seventy-third 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 amendments shall be deemed to have been accepted on 1 January 2002, 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** Contracting Governments to note that, in accordance with article VIII(b)(vii)(2) of the Convention, the amendments shall enter into force on 1 July 2002 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**

##### **Regulation 3-4**

#### **Emergency towing arrangements on tankers**

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

"Regulation 3-4

Emergency towing arrangements on tankers

1 Emergency towing arrangements shall be fitted at both ends on board every tanker of not less than 20,000 tonnes deadweight.

2 For tankers constructed on or after 1 July 2002:

.1 the arrangements shall, at all times, be capable of rapid deployment in the absence of main power on the ship to be towed and easy connection to the towing ship. At least one of the emergency towing arrangements shall be pre-rigged ready for rapid deployment; and

.2 emergency towing arrangements at both ends shall be of adequate strength taking into account the size and deadweight of the ship, and the expected forces during bad weather conditions. The design and construction and prototype testing of emergency towing arrangements shall be approved by the Administration, based on the Guidelines developed by the Organization.

3 For tankers constructed before 1 July 2002, the design and construction of emergency towing arrangements shall be approved by the Administration, based on the Guidelines developed by the Organization.\*

\* Refer to the Guidelines on emergency towing arrangements for tankers adopted by the Maritime Safety Committee by resolution [MSC.35\(63\)](#), as may be amended."

2 The following new regulation 3-5 is inserted after existing regulation 3-4:

"Regulation 3-5

New installation of materials containing asbestos

1 This regulation shall apply to materials used for the structure, machinery, electrical installations and equipment covered by the present Convention.

2 For all ships, new installation of materials which contain asbestos shall be prohibited except for:

.1 vanes used in rotary vane compressors and rotary vane vacuum pumps;

.2 watertight joints and linings used for the circulation of fluids when, at high temperature (in excess of 350°C) or pressure (in excess of  $7 \times 10^6$  Pa), there is a risk of fire, corrosion or toxicity; and

.3 supple and flexible thermal insulation assemblies used for temperatures above 1000°C.

### **Regulation 43**

#### **Emergency source of electrical power in cargo ships**

3 In paragraph 2.2.5, the word "and" is deleted.

4 In paragraph 2.2.6, the word "motors" is replaced by the words "motors; and".

5 In paragraph 2.2, the following new subparagraph .7 is added after existing subparagraph .6:

"7 in all cargo pump-rooms of tankers constructed on or after 1 July 2002".

### **CHAPTER II-2**

#### **CONSTRUCTION FIRE PROTECTION, FIRE DETECTION AND FIRE EXTINCTION**

6 The existing text of chapter II-2 is replaced by the following:

(Completely revised; Refer to text of Chapter II-2 of 99/2000 Amendment to SOLAS)

### **CHAPTER V**

#### **SAFETY OF NAVIGATION**

7 The existing text of chapter V is replaced by the following: (Completely revised; Refer to text of Chapter V of 99/2000 Amendment to SOLAS)

### **CHAPTER IX**

#### **MANAGEMENT FOR THE SAFE OPERATION OF SHIPS**

#### **Regulation 1**

#### **Definitions**

8 In paragraph 8, the reference "X/1.2" is replaced by "X/1".

## **Regulation 3**

### **Safety management requirements**

9 At the end of existing paragraph 1, the following text is added:

"For the purpose of this regulation, the requirements of the Code shall be treated as mandatory."

## **Regulation 6**

### **Verification and control**

10 In existing paragraph 6.2, the words "Subject to the provisions of paragraph 3 of this regulation" are deleted.

11 Existing paragraph 6.3 is deleted.

## **CHAPTER X**

### **SAFETY MEASURES FOR HIGH-SPEED CRAFT**

## **Regulation 1**

### **Definitions**

12 Existing paragraph 1 is replaced by the following:

"For the purpose of this chapter:

1 High-Speed Craft Code, 1994 (1994 HSC Code) means the International Code of Safety for High-Speed Craft adopted by the Maritime Safety Committee of the Organization by resolution MSC.36(63), 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.

2 High-Speed Craft Code, 2000 (2000 HSC Code) means the international Code of Safety for High-Speed Craft, 2000 adopted by the Maritime Safety Committee of the Organization by resolution MSC.97(73), 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."

13 Existing paragraph 2 is replaced by the following:

"High-speed craft is a craft capable of a maximum speed, in metres per second (m/s), equal to or exceeding:

3.7  $\nabla^{0.1667}$

where: = volume of displacement corresponding to the design waterline (m<sup>3</sup>), excluding craft the hull of which is supported completely clear above the water surface in non-displacement mode by aerodynamic forces generated by ground effect."

14 The existing paragraphs 3 and 4 are renumbered as paragraphs 4 and 5.

15 In the renumbered paragraph 5, in subparagraph .2, the figure "1%" is replaced by "3%".

## **Regulation 2**

### **Application**

16 In paragraph 2, the date "1 January 1996" is replaced by "1 July 2002" in two places.

## **Regulation 3**

### **Requirements for high-speed craft**

17 Existing paragraph 1 is replaced by the following:

"1 Notwithstanding the provisions of chapters I to IV and regulations V/18, 19 and 20:

.1 a high-speed craft constructed on or after 1 January 1996 but before 1 July 2002 which complies with the requirements of the High-Speed Craft Code, 1994 in its entirety and which has been surveyed and certified as

provided in that Code shall be deemed to have complied with the requirements of chapters I to IV and regulations V/18, 19 and 20. For the purpose of this regulation, the requirements of that Code shall be treated as mandatory.

.2 a high-speed craft constructed on or after 1 July 2002 which complies with the requirements of the High-Speed Craft Code, 2000 in its entirety and which has been surveyed and certified as provided in that Code shall be deemed to have complied with the requirements of chapters I to IV and regulations V/18, 19 and 20."

## APPENDIX

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

18 Existing sections 5 and 6 are deleted and a new section 5 is inserted as follows:

Item	Actual provision
1.1 Standard magnetic compass*	.....
1.2 Spare magnetic compass*	.....
1.3 Gyro compass*	.....
1.4 Gyro compass heading repeater*	.....
1.5 Gyro compass bearing repeater*	.....
1.6 Heading or track control system*	.....
1.7 Pelorus or compass bearing device*	.....
1.8 Means of correcting heading and bearings	.....
1.9 Transmitting heading device (THD)*	.....
2.1 Nautical charts/Electronic chart display and information system (ECDIS)**	.....
2.2 Back up arrangements for ECDIS	.....
2.3 Nautical publications	.....
2.4 Back up arrangements for electronic nautical publications	.....
3.1 Receiver for a global navigation satellite system/ terrestrial radionavigation system* <sup>1</sup> **	.....
3.2 9 GHz radar*	.....
3.3 Second radar (3 GHz/ 9 GHz**)*	.....
3.4 Automatic radar plotting aid (ARPA)*	.....
3.5 Automatic tracking aid*	.....
3.6 Second automatic tracking aid*	.....
3.7 Electronic plotting aid*	.....
4 Automatic identification system (AIS)	.....
5 Voyage data recorder (VDR)	.....
6.1 Speed and distance measuring device (through the water)*	.....
6.2 Speed and distance measuring device (over the ground in the forward and athwartship direction)*	.....
6.3 Echo sounding device*	.....
7.1 Rudder, propeller, thrust, pitch and operational mode indicator*	.....
7.2 Rate of turn indicator*	.....
8 Sound reception system*	.....
9 Telephone to emergency steering position*	.....
10 Daylight signalling lamp*	.....
11 Radar reflector*	.....
12 International Code of Signals	.....

\* Alternative means of meeting this requirement are permitted under regulation V/ 19. In case of other means they shall be specified.

\*\* Delete as appropriate."

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

19 Existing section 3 and related footnote are deleted and a new section 3 is inserted as follows:

"3 Details of navigational systems and equipment

Item	Actual provision
1.1 Standard magnetic compass*	.....

1.2 Spare magnetic compass*	.....
1.3 Gyro compass*	.....
1.4 Gyro compass heading repeater*	.....
1.5 Gyro compass bearing repeater*	.....
1.6 Heading or track control system*	.....
1.7 Pelorus or compass bearing device*	.....
1.8 Means of correcting heading and bearings	.....
1.9 Transmitting heading device (THD)*	.....
2.1 Nautical charts/Electronic chart display and information system (ECDIS)**	.....
2.2 Back up arrangements for ECDIS	.....
2.3 Nautical publications	.....
2.4 Back up arrangements for electronic nautical publications	.....
3.1 Receiver for a global navigation satellite system/ terrestrial radionavigation system* <sup>1</sup> **	.....
3.2 9 GHz radar*	.....
3.3 Second radar (3 GHz/ 9 GHz**)*	.....
3.4 Automatic radar plotting aid (ARPA)*	.....
3.5 Automatic tracking aid*	.....
3.6 Second automatic tracking aid*	.....
3.7 Electronic plotting aid*	.....
4 Automatic identification system (AIS)	.....
5 Voyage data recorder (VDR)	.....
6.1 Speed and distance measuring device (through the water)*	.....
6.2 Speed and distance measuring device (over the ground in the forward and athwartship direction)*	.....
6.3 Echo sounding device*	.....
7.1 Rudder, propeller, thrust, pitch and operational mode indicator*	.....
7.2 Rate of turn indicator*	.....
8 Sound reception system*	.....
9 Telephone to emergency steering position*	.....
10 Daylight signalling lamp*	.....
11 Radar reflector*	.....
12 International Code of Signals	.....

\* Alternative means of meeting this requirement are permitted under regulation V/19. In case of other means they shall be specified.

\*\* Delete as appropriate."

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