

ANNEX 2

RESOLUTION MSC.27(61)
adopted on 11 December 1992

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

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, 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 sixty-first 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, the 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 April 1994 unless, prior to the 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 per cent 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 October 1994 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 the resolution to Members of the Organization which are not Contracting Governments to the Convention.

ANNEX

AMENDMENTS TO THE 1974 SOLAS CONVENTION

Access to spaces in the cargo area of oil tankers

- 1 Add the following after paragraph 11 of regulation II-1/2:

"12 An oil tanker is the oil tanker defined in regulation 1 of annex I of the Protocol of 1978 relating to the International Convention for the Prevention of Pollution from Ships, 1973."

- 2 Add a new regulation II-1/12-2:

"Regulation 12-2

Access to spaces in the cargo area of oil tankers

1 This regulation applies to oil tankers constructed on or after 1 October 1994.

2 Access to cofferdams, ballast tanks, cargo tanks and other spaces in the cargo area shall be direct from the open deck and such as to ensure their complete inspection. Access to double bottom spaces may be through a cargo pump room, pump room, deep cofferdam, pipe tunnel or similar compartments, subject to consideration of ventilation aspects.

3 For access through horizontal openings, hatches or manholes, the dimensions shall be sufficient to allow a person wearing a self-contained, air-breathing apparatus and protective equipment to ascend or descend any ladder without obstruction and also to provide a clear opening to facilitate the hoisting of an injured person from the bottom of the space. The minimum clear opening should be not less than 600 mm by 600 mm.

4 For access through vertical openings, or manholes providing passage through the length and breadth of the space, the minimum clear opening should be not less than 600 mm by 800 mm at a height of not more than 600 mm from the bottom shell plating unless gratings or other footholds are provided.

5 For oil tankers of less than 5,000 tonnes deadweight smaller dimensions may be approved by the Administration in special circumstances, if the ability to traverse such openings or to remove an injured person can be proved to the satisfaction of the Administration."

Regulation II-1/37 - Communication between navigating bridge and machinery space

- 3 Number the present paragraph as paragraph 1 and add the following:

"2. For ships constructed on or after 1 October 1994 the following requirements apply in lieu of the provisions of paragraph 1:

At least two independent means shall be provided for communicating orders from the navigating bridge to the position in the machinery space or in

the control room from which the speed and direction of thrust of the propellers are normally controlled: one of these shall be an engine-room telegraph which provides visual indication of the orders and responses both in the machinery spaces and on the navigating bridge. Appropriate means of communication shall be provided from the navigating bridge and the engine-room to any other position from which the speed or direction of thrust of the propellers may be controlled."

Regulation II-1/42 - Emergency source of electric power in passenger ships

- 4 Insert the following paragraph after paragraph 3.2 of regulation II-1/42:

"3.3 The following provision in paragraph 3.1.2 shall not apply to ships constructed on or after 1 October 1994:

unless a second independent means of starting the emergency generating set is provided, the single source of stored energy shall be protected to preclude its complete depletion by the automatic starting system."

Regulation II-1/43 - Emergency source of electric power in cargo ships

- 5 Insert the following paragraph after paragraph 3.2 of regulation II-1/43:

"3.3 The following provision in paragraph 3.1.2 shall not apply to ships constructed on or after 1 October 1994:

unless a second independent means of starting the emergency generating set is provided, the single source of stored energy shall be protected to preclude its complete depletion by the automatic starting system."

Regulation II-1/44 - Starting arrangements for emergency generating sets

- 6 Insert the following paragraph after paragraph 2 of regulation II-1/44:

"2.1 Ships constructed on or after 1 October 1994, in lieu of the provision of the second sentence of paragraph 2, shall comply with the following requirements:

The source of stored energy shall be protected to preclude critical depletion by the automatic starting system, unless a second independent means of starting is provided. In addition, a second source of energy shall be provided for an additional three starts within 30 minutes unless manual starting can be demonstrated to be effective."

Regulation II-1/45 - Precautions against shock, fire and other hazards of electrical origin

- 7 Insert the following after paragraph 3.2 of regulation II-1/45:

"3.2-1 For ships constructed on or after 1 October 1994, the requirement of paragraph 3.1 does not preclude the use of limited and locally earthed systems, provided that any possible resulting current does not flow directly through any dangerous spaces."

- 34 Delete the present paragraph 2.7, and add new paragraph 2.5 as follows:
- "2.5 The Administration shall determine in respect of category (5) spaces whether the insulation values in table 26.1 shall apply to ends of deckhouses and superstructures, and whether the insulation values in table 26.2 shall apply to weather decks. In no case shall the requirements of category (5) of table 26.1 or 26.2 necessitate enclosure of spaces which in the opinion of the Administration need not be enclosed."
- 35 Replace tables 26.1 and 26.2 with the following:

Regulation 59 - Venting, purging, gas-freeing and ventilation

60-1 The following new paragraph 4 should be inserted after the existing paragraph 3:

"4 Inerting, ventilation and gas measurement

- 4.1 This paragraph shall apply to oil tankers constructed on or after 1 October 1994.
- 4.2 Double hull and double bottom spaces shall be fitted with suitable connections for the supply of air.
- 4.3 On tankers required to be fitted with inert gas systems:
 - .1 double hull spaces shall be fitted with suitable connections for the supply of inert gas;
 - .2 where such spaces are connected to a permanently fitted inert gas distribution system, means shall be provided to prevent hydrocarbon gases from the cargo tanks entering the double hull spaces through the system;
 - .3 where such spaces are not permanently connected to an inert gas distribution system, appropriate means shall be provided to allow connection to the inert gas main.
- 4.4.1 Suitable portable instruments for measuring oxygen and flammable vapour concentrations shall be provided. In selecting these instruments, due attention shall be given for their use in combination with the fixed gas sampling line systems referred to in paragraph 4.4.2.
- 4.4.2 Where atmosphere in double hull spaces cannot be reliably measured using flexible gas sampling hoses, such spaces shall be fitted with permanent gas sampling lines. The configuration of such line systems shall be adapted to the design of such spaces.
- 4.4.3 The materials of construction and the dimensions of gas sampling lines shall be such as to prevent restriction. Where plastic materials are used, they should be electrically conductive."

Chapter III

Regulation 50

General emergency alarm system

61 Delete the full stop at the end of the regulation and add the following:

"and open decks, and its sound pressure level shall comply with the standard developed by the Organization*. The alarm shall continue to function after it has been triggered until it is manually turned off or is temporarily interrupted by a message on the public address system".

Approved amendments to chapter IV

Regulation IV/13 - Sources of energy

62 Replace the existing text of paragraphs 2.1 to 2.3 by:

".1 one hour on ships provided with an emergency source of electrical power, if such source of power complies fully with all relevant provisions of regulation II-1/42 or 43, including the supply of such power to the radio installations; and

.2 six hours on ships not provided with an emergency source of electrical power complying fully with all relevant provisions of regulation II-1/42 or 43, including the supply of such power to the radio installations."

63 Delete the reference in regulation IV/13.4 to paragraph 2.3.

Regulation IV/14 - Performance standards

64 Replace "by prescribed" in regulation IV/14.2 with "prescribed by".

* Reference is made to the Code on alarms and indicators adopted by the Organization by resolution A.686(17).
