

## ANNEX 10

**RESOLUTION MSC.68(68)**  
**(adopted on 6 June 1997)****ADOPTION OF AMENDMENTS TO PERFORMANCE STANDARDS  
FOR SHIPBORNE RADIOCOMMUNICATION EQUIPMENT**

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.825(19), by which the Assembly resolved that the functions of adopting performance standards for radio and navigational equipment, as well as amendments thereto, shall be performed by the Maritime Safety Committee on behalf of the Organization,

NOTING the experience gained by the international maritime community on the use of shipborne equipment in the Global Maritime Distress and Safety System,

RECOGNIZING the need to update performance standards for VHF and MF radio installations capable of voice communication and digital selective calling, MF/HF radio installations capable of voice communication, narrow-band direct-printing and digital selective calling, and Inmarsat-C ship earth stations capable of transmitting and receiving direct-printing communications,

HAVING CONSIDERED amendments, which, with respect to resolution A.807(19), were agreed by Inmarsat, to performance standards prepared at the second session of the Sub-Committee on Radiocommunications and Search and Rescue,

1. **ADOPTS** the amendments to the following performance standards adopted by the Assembly, set out in Annexes 1 to 4 to the present resolution:

- (a) Resolution A.803(19) - Performance Standards for Shipborne VHF Radio Installations Capable of Voice Communication and Digital Selective Calling (Annex 1);
- (b) Resolution A.804(19) - Performance Standards for Shipborne MF Radio Installations Capable of Voice Communication and Digital Selective Calling (Annex 2);
- (c) Resolution A.806(19) - Performance Standards for Shipborne MF/HF Radio Installations Capable of Voice Communication, Narrow-Band Direct-Printing and Digital Selective Calling (Annex 3); and
- (d) Resolution A.807(19) - Performance Standards for Inmarsat-C Ship Earth Stations Capable of Transmitting and Receiving Direct-Printing Communications (Annex 4);

2. **RECOMMENDS** Governments to ensure that equipment and systems listed in the present resolution and installed on or after 1 January 2000 conform to the amended performance standards specified in the attached Annexes.

ANNEX 1

**AMENDMENTS TO RESOLUTION A.803(19) - PERFORMANCE STANDARDS  
FOR VHF RADIO INSTALLATIONS CAPABLE OF VOICE COMMUNICATION  
AND DIGITAL SELECTIVE CALLING**

Modify paragraphs 11.2.5 and 11.2.6 of the Annex, as follows:

- "5 facilities to automatically update the ship's position and the time at which the position was determined from a suitable electronic position-fixing aid which may be an integral part of the equipment. For equipment which does not have an integral position-fixing aid, such facilities should include a suitable interface conforming to the appropriate international standard;<sup>1</sup>
- .6 means for manual entry of position information and the time at which the position was determined; and"

Add new paragraph 11.2.7:

- "7 means to activate an alarm when no position data is received from the electronic position-fixing aid or, in the case of manual input, the position information is over 4 hours old. Any position information not updated for more than 23½ hours should be erased."

Modify paragraph 11.3.2, as follows:

- "3.2 These messages should be stored until readout and should be erased 48 hours after their reception."

Modify the second sentence of paragraph 11.4, as follows:

- "11.4 ..... The means for initiating a distress alert should be as prescribed in 2.6 to 2.8."

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<sup>1</sup> IEC 1162

## ANNEX 2

**AMENDMENTS TO RESOLUTION A.804(19) - PERFORMANCE STANDARDS  
FOR MF RADIO INSTALLATIONS CAPABLE OF VOICE COMMUNICATION  
AND DIGITAL SELECTIVE CALLING**

Modify paragraphs 2.4, 2.5 and 2.6 of Part D of the Annex, as follows:

- "4 means to display, in plain language with a minimum of 160 characters in two or more lines, the information contained in a received call;
- .5 facilities to automatically update the ship's position and the time at which the position was determined from a suitable electronic position-fixing aid which may be an integral part of the equipment. For equipment which does not have an integral position-fixing aid, such facilities should include a suitable interface conforming to the appropriate international standard;<sup>1</sup>
- .6 means for manual entry of position information and the time at which the position was determined; and"

Add new paragraph 2.7 of Part D, the Annex, as follows:

- "7 means to activate an alarm when no position data is received from the electronic position-fixing aid or, in the case of manual input, the position information is over 4 hours old. Any position information not updated for more than 23½ hours should be erased."

Modify paragraph 3.2 of Part D, the Annex, as follows:

- "3.2 These messages should be stored until readout and should be erased 48 hours after their reception."

Modify the second sentence of paragraph 4 of Part D, the Annex, as follows:

- "4 ..... The means for initiating a distress alert should be as prescribed in 2.5 to 2.7 of Part A."

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<sup>1</sup> IEC 1162

ANNEX 3

**AMENDMENTS TO RESOLUTION A.806(19) - PERFORMANCE STANDARDS FOR  
MF/HF RADIO INSTALLATIONS CAPABLE OF VOICE COMMUNICATION  
NARROW-BAND DIRECT-PRINTING AND DIGITAL SELECTIVE CALLING**

Modify paragraphs 2.4, 2.5 and 2.6 of Part D, the Annex, as follows:

- "4 means to display, in plain language with a minimum of 160 characters in two or more lines, the information contained in a received call;
- .5 facilities to automatically update the ship's position and the time at which the position was determined from a suitable electronic position-fixing aid which may be an integral part of the equipment. For equipment which does not have an integral position-fixing aid, such facilities should include a suitable interface conforming to the appropriate international standard;<sup>1</sup>
- .6 means for manual entry of position information and the time at which the position was determined; and"

Add new paragraph 2.7 of Part D, the Annex:

- "7 means to activate an alarm when no position data is received from the electronic position-fixing aid or, in the case of manual input, the position information is over 4 hours old. Any position information not updated for more than 23½ hours should be erased."

Modify paragraph 3.2 of Part D, the Annex, as follows:

- "3.2 These messages should be stored until readout and should be erased 48 hours after their reception."

Modify the second sentence of paragraph 4 of Part D, the Annex, as follows:

- "4 ..... The means for initiating a distress alert should be as prescribed in 2.5 to 2.7 of Part A."

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<sup>1</sup> IEC 1162

## ANNEX 4

**AMENDMENTS TO RESOLUTION A.807(19) - PERFORMANCE STANDARDS FOR  
INMARSAT-C SHIP EARTH STATIONS CAPABLE OF TRANSMITTING AND  
RECEIVING DIRECT-PRINTING COMMUNICATIONS**

Modify paragraph 3.8 of the Annex, as follows:

- "3.8 Facilities should be provided to automatically update the ship's position and the time at which the position was determined from a suitable electronic position-fixing aid which may be an integral part of the equipment. For equipment which does not have an integral electronic position-fixing aid, such facilities should include a suitable interface conforming to the appropriate international standard.<sup>1</sup>"

Add new paragraphs 3.9 and 3.10 to the Annex, as follows:

- "3.9 Provisions should also be made for manual entry of position information and of the time at which the position was determined.
- 3.10 An alarm should be activated when no position data is received from the electronic position-fixing aid or, in the case of manual input, the position information is over 4 hours old. Any position information not updated for more than 24 hours should be clearly identified."

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<sup>1</sup> IEC 1162