

MARITIME SAFETY COMMITTEE
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Agenda item 11

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NAVIGATION, COMMUNICATIONS AND SEARCH AND RESCUE

Review SOLAS chapter IV and appendix (Certificates: Forms P, R and C) to accommodate additional mobile satellite systems

Submitted by the International Association of Classification Societies (IACS)

SUMMARY

Executive summary: This document provides comments on the draft amendments to SOLAS chapter IV and SOLAS Records of Equipment to accommodate additional mobile satellite systems, as agreed at NCSR 4

Strategic direction: 5.2

High-level action: 5.2.5

Output: 5.2.5.8

Action to be taken: Paragraph 6

Related documents: NCSR 4/WP.5 (annexes 2 and 3)

Introduction

1 This document provides comments on the outcome of NCSR 4 in relation to the review of SOLAS chapter IV and appendix (Certificates: Forms P, R and C) to accommodate additional mobile satellite systems (NCSR 4/WP.5, annexes 2 and 3).

Discussion

2 When the plenary at NCSR 4 considered the report of the Communications Working Group (NCSR 4/WP.5), IACS advised the Sub-Committee that, while it had not participated in this Working Group, it had noted similar provisions to those being considered in:

- .1 annex 2 (draft amendments to SOLAS chapter IV) in the 1994 and 2000 HSC Codes; and
- .2 annex 3 (draft amendments to the Forms of the SOLAS Records of Equipment) in the HSC and SPS Codes.

3 IACS has further examined the texts of the HSC and SPS Codes in light of the draft amendments provided in annexes 2 and 3 of NCSR 4/WP.5 and offers, in annexes 1 and 2 to this document, further texts for review by the Committee when the draft amendments that have been prepared by NCSR 4 are considered. Annex 1 offers draft amendments to the 2000 HSC Code and it is suggested that parallel amendments could also be made to sections 14.6, 14.7, 14.8, 14.9, 14.11 and 14.12 of the 1994 HSC Code.

4 In undertaking this review of the HSC Codes, IACS has also noted that these texts have, to date, not been updated to take account of the amendments to SOLAS chapter IV in resolution MSC.201(81). Annex 1 to this document show what changes to sections 14.7.1.6.1, 14.10.1.4.3 and 14.10.2.3.2 of the 2000 HSC Code (and consequently sections 14.6.1.6.1, 14.9.1.4.3 and 14.9.2.3.2 of the 1994 HSC Code) would provide consistency with the amendments in resolution MSC.201(81).

5 When reviewing the draft amendments as prepared by NCSR 4 and annexes 1 and 2 of this document, the Committee is also invited to consider the application of MSC-MEPC.5/Circ.6 on *Guidance on the timing of replacement of existing certificates by the certificates issued after the entry into force of amendments to certificates in IMO instruments*. In particular, it is proposed that the Committee should agree that paragraph 3.1 of this circular applies in the case of the amendments to the documentation discussed in this document i.e.:

"in cases where the ship has not to comply with new requirements, the certificate (and its supplement, if any) is not re-issued until its expiry;"

Action requested of the Committee

6 The Committee is invited to consider the foregoing, in particular paragraph 5 above and annexes 1 and 2, and decide as appropriate.

ANNEX 1

PROPOSED AMENDMENTS TO SOLAS RELATED INSTRUMENTS

- 1 ~~Strike through~~-indicates deleted text
- 2 Grey shaded-indicates added text

**INTERNATIONAL CODE OF SAFETY FOR HIGH-SPEED CRAFT, 2000 – CHAPTER 14 -
RADIOCOMMUNICATIONS**

TEXT	
Section 14.2 - Terms and definitions	
14.2.1	For the purpose of this chapter, the following terms shall have the meanings defined below:
.6	<i>Global maritime distress and safety system (GMDSS) identities</i> means maritime mobile services identity, the ship's call sign, Inmarsat-recognized mobile satellite service identities and serial number identity which may be transmitted by the ship's equipment and used to identify the craft.
Section 14.7 - Radio equipment: General	
14.7.1	Every craft shall be provided with:
.5	a radio facility for reception of maritime safety information by the Inmarsat-recognized mobile satellite service enhanced group calling system if the ship is engaged on voyages in any area of Inmarsat-recognized mobile satellite service coverage but in which an international NAVTEX service is not provided. However, craft engaged exclusively on voyages in areas where an HF direct-printing telegraphy maritime safety information service is provided and fitted with equipment capable of receiving such service, may be exempt from this requirement.
.6	subject to the provisions of 14.8.3, a satellite emergency position indicating radio beacon (satellite EPIRB) which shall be:
.6.1	capable of transmitting a distress alert through the polar orbiting satellite service operating in the 406 MHz band or, if the craft is engaged only on voyages within Inmarsat coverage, through the Inmarsat geostationary satellite service operating in the 1.6 GHz band;
Section 14.8 - Radio equipment: Sea area A1	
14.8.1	In addition to meeting the requirements of 14.7, every craft engaged on voyages exclusively in sea area A1 shall be provided with a radio installation capable of initiating the transmission of ship-to-shore distress alerts from the position from which the ship is normally navigated, operating either:
.5	through the Inmarsat geostationary a recognized mobile satellite service ; this requirement may be fulfilled by:
.5.1	[an Inmarsat a ship earth station* providing a recognized mobile satellite service ; or

* This requirement can be met by Inmarsat ship earth stations capable of two-way communications, such as ~~Inmarsat-B~~ and Fleet-77 (resolutions A.808(19) and MSC.130(75)) or Inmarsat-C (resolution A.807(19), as amended) ship earth stations. Unless otherwise specified, this footnote applies to all requirements for an Inmarsat ship earth station prescribed by this chapter.

Section 14.9 - Radio equipment: Sea areas A1 and A2

14.9.1 In addition to meeting the requirements of 14.7, every craft engaged on voyages beyond sea area A1, but remaining within sea area A2, shall be provided with:

- .3 means of initiating the transmission of ship-to-shore distress alerts by a radio service other than MF operating either:
 - .3.3 through the Inmarsat geostationary satellite service by a ship earth station providing a recognized mobile satellite service.

14.9.3 The craft shall, in addition, be capable of transmitting and receiving general radiocommunications using radiotelephony or direct-printing telegraphy by either:

- .2 an Inmarsat a ship earth station providing a recognized mobile satellite service.

Section 14.10 - Radio equipment: Sea areas A1, A2 and A3

14.10.1 In addition to meeting the requirements of 14.7, every craft engaged on voyages beyond sea areas A1 and A2, but remaining within sea area A3, shall, if it does not comply with the requirements of 14.10.2, be provided with:

- .1 an Inmarsat a ship earth station providing a recognized mobile satellite service and capable of:
- .4 means of initiating the transmission of ship-to-shore distress alerts by a radio service operating either:
 - .4.3 through the Inmarsat geostationary a recognized mobile satellite service by on an additional ship earth station [or by the satellite EPIRB required by 14.7.1.6, either by installing the satellite EPIRB close to, or by remote activation from, the position from which the craft is normally navigated].

14.10.2 In addition to meeting the requirements of 14.7, every craft engaged on voyages beyond sea areas A1 and A2, but remaining within sea area A3, shall, if it does not comply with the requirements of 14.10.1, be provided with:

- .3 means of initiating the transmission of ship-to-shore distress alerts by a radiocommunication service other than HF operating either:
 - .3.2 through the Inmarsat geostationary a recognized mobile satellite service on a ship earth station; this Requirement may be fulfilled by:
 - .3.2.1 an INMARSAT ship earth station; or
 - .3.2.2 the satellite EPIRB, required by regulation 7.1.6, either by installing the satellite EPIRB close to, or by remote activation from, the position from which the ship is normally navigated; and

Section 14.12 - Watches

14.12.1 Every craft, while at sea, shall maintain a continuous watch:

- .4 for satellite shore-to-ship distress alerts, if the craft, in accordance with the requirements of 14.10.1.1, is fitted with ~~an Inmarsat~~ a ship earth station providing a recognized maritime mobile service.

Section 14.13 - Sources of energy

14.13.2 Reserve and emergency sources of energy shall be provided on every craft to supply radio installations, for the purpose of conducting distress and safety radiocommunications, in the event of failure of the craft's main and emergency sources of electrical power. The reserve source of energy shall be capable of simultaneously operating the VHF radio installation required by 14.7.1.1 and, as appropriate for the sea area or sea areas for which the craft is equipped, either the MF radio installation required by 14.9.1.1, the MF/HF radio installation required by 14.10.2.1 or 14.11.1 or the ~~Inmarsat~~ ship earth station required by 14.10.1.1 and any of the additional loads mentioned in 14.13.5 and 14.13.8 for a period of at least 1 h.

ANNEX 2

PROPOSED AMENDMENTS TO SOLAS RELATED CERTIFICATES

- 1 ~~Strike through~~-indicates deleted text
- 2 Grey shaded-indicates added text

TEXT	
<p>RECORD OF EQUIPMENT FOR COMPLIANCE WITH THE INTERNATIONAL CODE OF SAFETY FOR HIGH-SPEED CRAFT, 2000 – Annex 1</p> <p>4 Details of radio facilities</p> <p>1 Primary systems</p> <p>1.4 INMARSAT sShip earth station providing a recognized mobile satellite service</p>	
<p>RECORD OF EQUIPMENT FOR COMPLIANCE WITH THE INTERNATIONAL CODE OF SAFETY FOR HIGH-SPEED CRAFT (1994 HSC CODE) – Annex 1</p> <p>3 Details of radio facilities</p> <p>1 Primary systems</p> <p>1.4 INMARSAT sShip earth station providing a recognized mobile satellite service</p>	
<p>SPS CODE - RECORD OF EQUIPMENT FOR THE SPECIAL PURPOSE SHIP SAFETY CERTIFICATE (FORM SPS)</p> <p>3 Details of radio facilities</p> <p>1 Primary systems</p> <p>1.4 INMARSAT sShip earth station providing a recognized mobile satellite service</p>	
<p>SPS CODE, 2008 - RECORD OF EQUIPMENT FOR THE SPECIAL PURPOSE SHIP SAFETY CERTIFICATE (FORM SPS)</p> <p>3 Details of radio facilities</p> <p>1 Primary systems</p> <p>1.4 INMARSAT sShip earth station providing a recognized mobile satellite service</p>	