

GUIDELINES

ON THE APPLICATION OF PROVISIONS OF CHAPTER IV OF THE INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA (SOLAS 74)

ND No. 2-030101-052-E

RULE CHANGE NOTICE

ENTERS INTO FORCE:

01.01.2025



St. Petersburg
2024

GUIDELINES ON THE APPLICATION OF PROVISIONS OF CHAPTER IV OF SOLAS 74

The present Rule Change Notice to the Guidelines on the application of provisions of chapter IV of the International Convention for the Safety of Life at Sea (SOLAS 74) (hereinafter — RCN) has been approved in accordance with the established approval procedure and contains information on amendments and additions, except for editorial amendments. RCN amendments come into force on 1 January 2025.

REVISION HISTORY

| Item | Applicability | Description | Remarks |
|--|--|---|---|
| Paras 1.3.1.1 , 1.10.1 , and 4.1.2 | Ships under construction and in service Radio equipment | References to the IMO resolution have been updated | IMO resolution A.1186(33) |
| Appendix 3 | Ships under construction and in service Radio equipment | References to the current versions of the ITU Recommendations and the IEC standards have been updated | Radio Regulations 2024 IEC 61162 series |

1 GENERAL

1.3 DESIGN DOCUMENTATION

Para 1.3.1.1 is amended as follows:

"1.3.1.1 Design documentation on radio equipment should be developed well before the work on a new building or reconstruction of ships or offshore units is started. Insufficient or missing drawings may result in deficiencies during radio survey and could lead to expensive repair costs later (resolution A.~~1156(32)~~1186(33)).".

1.10 RADIO SURVEYS FOR ISSUANCE, RENEWAL AND ENDORSEMENT OF SAFETY CERTIFICATES

Para 1.10.1 is amended as follows:

"1.10.1 Survey of radio installations shall be carried out in accordance with the rules laid down in IMO resolution A.~~1156(32)~~1186(33) "Survey Guidelines under the harmonized system of survey and certification (HSSC), ~~2021~~2023" and SOLAS-74 Chapter I, part B. It is important to note the following:".

4 GMDSS RADIO EQUIPMENT

4.1 LOCATION OF VHF TRANSCEIVERS AND VHF DSC CONTROLLERS

Para 4.1.2 is amended as follows:

"4.1.2 If extra VHF transceivers (without DSC) with channels required for navigational safety are located in the conning position, the mandatory DSC VHF equipment may be at another central location at the navigation bridge.

(SOLAS-74, regulations IV/4.1.5, 4.1.1.9 and 6.3.)

Note. With regard to the location of equipment and distress alerts, the same requirements also apply to the duplicated DSC VHF equipment for ships in sea areas A3 and A4. The duplicated VHF transceiver can be located in the navigating and maneuvering position instead of in the conning position.

In order to conduct periodic power measurements, easy access to the antenna output of each equipment shall be provided.

(SOLAS-74, regulation IV/15.2 and IMO resolution A.~~1156(32)~~1186(33))."

**LIST OF IMO RESOLUTIONS AND CIRCULARS, ITU RECOMMENDATIONS, IEC AND ISO STANDARDS,
OTHER EXTERNAL DOCUMENTS APPLICABLE IN THE PERFORMANCE OF WORK ON TYPE APPROVAL
OF SHIPBORNE RADIO EQUIPMENT***

The Table of the List is amended as follows:

"

| RS nomenclature code | Item designation, SOLAS-74 regulation which determines ship's equipment | SOLAS-74 regulations, IMO resolutions and circulars, ITU Recommendations which the item shall comply with | List of documents in the field of standardization and other documents, whose application, on a voluntary basis, provides compliance with the requirements that the item shall meet (the testing standards) | Requirements for type approval of the item |
|------------------------|---|---|--|--|
| Radio Equipment | | | | |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|---|---|--|
| 04120000MK | VHF radio installation** IV/7.1.1, IV/7.1.2 | SOLAS-74 reg. IV/7.1.1, 2 SOLAS-74 reg. X/3 A.694(17) MSC.511(105)/A.803(19)** MSC.191(79) MSC.302(87) A.524(13) IMO MSC/Circ.862 IMO MSC.1/Circ.1460/Rev.4 IMO COMSAR.1/Circ.32/Rev.2 Radio Regulations 2020 2024 ITU-R M.489-2 (1995) ITU-R M.493-15 (2019)-16 (2023) ITU-R M.541-10 (2015)-11 (2023) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-3, Ed. 2.0 (2017-10) IEC 61097-7, Ed. 1.1 (2018-01) IEC 61097-8, Ed. 1.0 (1998-09) IEC 62288, Ed. 3.0 (2021-12) IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|--|---|---|
| 04130000MK | MF radio installation** IV/9.1.1, IV/9.1.2 | <p>SOLAS-74 reg. IV/9.1.1, 2 SOLAS-74 reg. X/3</p> <p>A.694(17) MSC.512(105)/A.804(19)** MSC.191(79) MSC.302(87)</p> <p>IMO MSC/Circ.862 IMO COMSAR.1/Circ.32/Rev.2</p> <p>Radio Regulations 20202024 ITU-R M.493-15 (2019) <u>16 (2023)</u> ITU-R M.541-10 (2015) <u>11 (2023)</u> ITU-R M.1173-1 (2012)</p> | <p>IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007</p> <p>IEC 61097-8, Ed. 1.0 (1998-09) IEC 61097-9, Ed. 1.0 (1997-11) IEC 61097-3, Ed. 2.0 (2017-10)</p> <p>IEC 62288, Ed. 3.0 (2021-12)</p> <p>IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08)</p> <p>IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u></p> | <p>SOLAS-74 reg. IV/14</p> <p>SOLAS-74 reg. X/3</p> |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|---|---|--|
| 04140000MK | MF/HF radio installation** IV/11.1.1, IV/11.1.2 | SOLAS-74 reg. IV/11.1.1, 2 SOLAS-74 reg. X/3 A.694(17) MSC.512(105)/A.806(19)** MSC.508(105) MSC.191(79) MSC.302(87) IMO MSC/Circ.862 IMO COMSAR.1/Circ.32/Rev.2 Radio Regulations 2020 2024 ITU-R M.476-5 (1995) ITU-R M.492-6 (1995) ITU-R M.493- 15 (2019) - <u>16 (2023)</u> ITU-R M.540-2 (1990) ITU-R M.541- 10 (2015) - <u>11 (2023)</u> ITU-R M.625-4 (2012) ITU-R M.688-0 (1990) ITU-R M.1173-1 (2012) | IEC 60945 series: - IEC 60945 Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-8, Ed. 1.0 (1998-09) IEC 61097-9, Ed. 1.0 (1997-11) IEC 61097-3, Ed. 2.0 (2017-10) IEC 62288, Ed. 3.0 (2021-12) IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> ETS 300 067 (1993-10) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|--|--|--|
| 04150000MK | Inmarsat-C SES** IV/10.1.1 | SOLAS-74 reg. IV/10.1.1 SOLAS-74 reg. X/3 A.570(14) A.694(17) MSC.513(105)/A.807(19)** MSC.431(98) MSC.302(87) IMO MSC/Circ.862 IMO COMSAR.1/Circ.32/Rev.2 | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-4, Ed. 3.2(2019-06) <u>Ed. 4.0 (2024-02)</u> IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|--|--|--|
| 04150300MK | Ship earth station for use in the GMDSS IV/10.1.1 | SOLAS-74 reg. IV/10.1 A.694(17) A.813(19) A.1001(25) MSC.434(98) MSC.191(79) MSC.302(87) IMO MSC/Circ.862 IMO COMSAR.1/Circ.32/Rev.2 | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-16, Ed. 1.0 (2019-08) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> IEC 62288, Ed. 3.0 (2021-12) IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|---|---|--|
| 04180000MK | NAVTEX receiver IV/7.1.4 | SOLAS-74 reg. IV/7.1.4 SOLAS-74 reg. X/3 A.694(17) MSC.508(105) MSC.191(79) MSC.302(87) IMO COMSAR.1/Circ.32/Rev.2 IMO MSC.1/Circ.1645 Radio Regulations 2020 2024 ITU-R M.540-2 (1990) ITU-R M.625-4 (2012) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-6, Ed. 2.2 (2019-07) IEC 62288, Ed. 3.0 (2021-12) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

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|----------------------|---|--|---|--|
| 04190000MK | EGC receiver IV/7.1.4 | SOLAS-74 reg. IV/7.1.4 A.694(17) MSC.306(87) MSC.431(98) MSC.302(87) MSC.191(79) IMO COMSAR.1/Circ.32/Rev.2 IMO MSC.1/Circ.1645 | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-4, Ed. 3.2 (2019-06) IEC 62288, Ed. 3.0 (2021-12) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

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|----------------------|--|---|--|--|
| 04140010MK | HF receiver for MSI and SAR IV/7.1.4 | SOLAS-74 reg. IV/7.1.4 A.694(17) MSC.508(105) MSC.191(79) IMO COMSAR.1/Circ.32/Rev.2 IMO MSC.1/Circ.1645 Radio Regulations 2020 2024 ITU-R M.492-6 (1995) ITU-R M.540-2 (1990) ITU-R M.625-4 (2012) ITU-R M.688 (1990) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-9, Ed. 1.0 (1997-11) IEC 62288, Ed. 3.0 (2021-12) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> ETS 300 067 (1993-10) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |
| 04220100MK | Search-and-rescue locating devices (SRLD): AIS-SART IV/7.1.3, 7.2, 7.3, 7.5 | SOLAS-74 reg. IV/7.1.3, 7.2, 7.3, 7.5 A.694(17) MSC.246(83) IMO COMSAR.1/Circ.32/Rev.2 ITU-R M.1371-5 (2014) | IEC 60945 series: - IEC 60945 Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-14, Ed. 1.0 (2010-04) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

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| 04300000MK | Integrated communication system (ICS) | A.694(17) MSC.517(105) MSC.191(79) MSC.302(87) IMO COMSAR.1/Circ.32/Rev.2 | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 62940 Ed. 1.0 (2016-10) IEC 62288, Ed. 3.0 (2021-12) IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08) IEC 61162 series: - IEC 61162-1 Ed. 5.0 (2016-08) <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 Ed. 1.0 (1998-09) <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 Ed. 2.0 (2018-05) <u>Ed. 3.0 (2024-04)</u> | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

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|----------------------|---|--|--|--|
| 04160000MK | Emergency position-indicating radio beacon (EPIRB) IV/7.1.5 | SOLAS-74 reg. IV/7.1.5 A.662(16) A.694(17) MSC.471(101) IMO MSC/Circ.862 IMO COMSAR.1/Circ.32/Rev.2 Radio Regulations 2020 2024 ITU-R M.633-4 (2010) -5 (2023) ITU-R M.690-3 (2015) ITU-R M.1371-5 (2014) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-2, Ed. 4.0 (2021-06) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |
| 04230000MK | Survival craft portable two-way VHF radiotelephone apparatus IV/7.2, 7.3 | A.694(17) MSC.515(105) Radio Regulations 2020 2024 ITU-R M.489-2 (1995) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-12, Ed. 1.1 (2017-07) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |
| 04230001MK | Fixed survival craft two-way VHF radiotelephone apparatus IV/7.2, 7.3 | A.694(17) A.809(19) Radio Regulations 2020 2024 ITU-R M.489-2 (1995) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 ETSI EN 301 466 V1.2.1 (2015-12) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

Guidelines on the Application of Provisions of Chapter IV of SOLAS 74

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|----------------------|---|--|--|--|
| 04021200MK | Aeronautical two-way VHF radiotelephone apparatus IV/7.6 | SOLAS-74 reg. IV/7.6 A.694(17) MSC.80(70) MSC.516(105) IMO COMSAR.1/Circ.32/Rev.2 Radio Regulations 2020 2024 ICAO Convention on International Civil Aviation, Annex 10 | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 ETSI EN 301 688 V1.2.1 (2016-03) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |
| 04220000MK | Search-and-rescue locating devices (SRLD): Radar SART IV/7.1.3, 7.2, 7.3, 7.5 | SOLAS-74 reg. IV/7.1.3, 7.2, 7.3, 7.5 A.694(17) MSC.510(105) ITU-R M.628-5 (2012) | IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 IEC 61097-1, Ed. 2.0 (2007-06) | SOLAS-74 reg. IV/14 SOLAS-74 reg. X/3 |

Russian Maritime Register of Shipping

**Rule Change Notice to the Guidelines on the application of provisions of chapter IV
of the International Convention for the Safety of Life at Sea (SOLAS 74)**

Endorsed: 24- 212643

FAI "Russian Maritime Register of Shipping"
7, Litera A, Millionnaya Ul.,
191181, St. Petersburg, Russian Federation
www.rs-class.org/en/