

# RULES

## FOR THE EQUIPMENT OF SEA-GOING SHIPS

ND No. 2-020101-171-E

### RULE CHANGE NOTICE

ENTERS INTO FORCE:

01.01.2025



**St. Petersburg**  
**2024**

## **RULES FOR THE EQUIPMENT OF SEA-GOING SHIPS**

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The present Rule Change Notice to the Rules for the Equipment of Sea-Going Ships (hereinafter — RCN) has been approved in accordance with the established approval procedure, comes into force on 1 January 2025 and contains earlier approved amendments published by the Urgent Rule Change Notice after entering into force of the previous version of Rules for the Equipment of Sea-Going Ships (these amendments are specified in the Revision History and highlighted in yellow).

**REVISION HISTORY**

**PART IV. RADIO EQUIPMENT**

Item	Applied to	Description	Remarks
<a href="#">Para 3.3.13.1</a>	Ships under construction and in service Passenger ships Radio equipment	The location has been clarified for the distress panel and for EPIRB, which is used as the second independent means of distress alert transmission	
<a href="#">Para 3.3.13.3</a>	Ships under construction and in service Passenger ships Radio equipment	The location has been clarified for the distress alarm panel	
<a href="#">Appendix 3</a>	Ships under construction and in service Radio equipment	References to the current versions of the ITU Recommendations and the IEC standards have been updated	

**PART V. NAVIGATIONAL EQUIPMENT**

Item	Applied to	Description	Remarks
<a href="#">Para 1.2.2</a>	Navigational equipment IRNSS receiver	The definition of IRNSS has been added	
<a href="#">Table 2.1.1</a>	Cargo ships Navigational equipment Automatic identification system (AIS)	The requirement has been deleted for installation of AIS at cargo ships of less than 300 gross tonnage not involved in international voyages. Footnote 4 has been deleted as irrelevant	
<a href="#">Para 3.4.7</a>	Navigational equipment Bridge navigational watch alarm system (BNWAS)	Requirements have been added for the location of alarm devices of BNWAS	IMO Resolution MSC.128(75)

*Rules for the Equipment of Sea-Going Ships*

Item	Applied to	Description	Remarks
<a href="#">Appendix 1</a>	Navigational equipment Equipment of 460-network	The list of regulatory documents applicable in the type approval work of shipborne navigational equipment is supplemented by equipment of 460-network	<b>Entry-into-force date: 30.07.2024</b> (Urgent Rule Change Notice No. 311-05-2027 of 30.07.2024)
<a href="#">Appendix 1</a>	Navigational equipment	References have been updated for the applicable revisions of the IEC 61162 series	
<a href="#">Appendix 1</a>	Navigational equipment GNSS receiver (Beidou) IRNSS receiver	Requirements have been added for the receivers of GNSS (Beidou) and IRNSS	IMO Resolutions MSC.379(93) and MSC.449(99)
<a href="#">Appendix 1</a>	Navigational equipment Voyage data recorder (VDR) Simplified voyage data recorder (S-VDR)	VDR and S-VDR installed before 1 July 2022 have been deleted from the List	
Appendix 2, <a href="#">Section 5</a>	Navigational equipment Equipment of 460-network	Requirements for equipment of 460-network have been specified to take into account new edition of IEC 61162-460	<b>Entry-into-force date: 30.07.2024</b> (Urgent Rule Change Notice No. 311-05-2027 of 30.07.2024)

## PART IV. RADIO EQUIPMENT

### 3 SPACES FOR RADIO EQUIPMENT, ITS ARRANGEMENT, CABLING

#### 3.3 ARRANGEMENT OF RADIO EQUIPMENT ON NAVIGATION BRIDGE

**Para 3.3.13.1** is amended as follows:

**"3.3.13** In addition, the following requirements shall be complied with on passenger ships engaged on voyages in sea areas A2, A3 or A4:

**.1** ~~the distress panel shall be located at the navigation bridge~~ the conning position. This panel shall have either one button which activates transmission of the distress alert by all radio installations intended for that purpose on board, or one button for every separate radio installation. There shall be clear visual indication on that panel that the button or buttons were pushed.

The button or buttons shall be protected against inadvertent operation.

When the float-free EPIRB is used as the second independent means of distress alert transmission and not provided with remote activation, provision shall be made for the additional EPIRB placed in close proximity to ~~workstation for radio communication~~ the conning position (refer to 3.5.1);".

**Para 3.3.13.3** is amended as follows:

**".3** ~~panel signalling a distress alert shall be installed at the position, from which the ship is normally navigated~~ the distress alarm panel shall be located at the conning position. The panel initiating a distress alert shall be provided with visual and audible warning to indicate receipt of any distress alert, as well as indication of the radio service, via which the distress alert was received;".

**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:

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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
<b>Radio Equipment</b>				
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 <del>2020</del> 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 <del>Ed. 5.0 (2016-08)</del> Ed. 6.0 (2024-04) - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> Ed. 2.0 (2024-04) - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> Ed. 3.0 (2024-04)	SOLAS-74 reg. IV/14  SOLAS-74 reg. X/3

Rules for the Equipment of Sea-Going Ships

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
04130000MK	MF radio installation**  IV/9.1.1, IV/9.1.2	SOLAS-74 reg. IV/9.1.1, 2 SOLAS-74 reg. X/3  A.694(17) MSC.512(105)/A.804(19)** MSC.191(79) MSC.302(87)  IMO MSC/Circ.862 IMO COMSAR.1/Circ.32/Rev.2  Radio Regulations <del>2020</del> 2024 <del>ITU-R M.493-15 (2019)</del> 16 (2023) <del>ITU-R M.541-10 (2015)</del> 11 (2023) 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 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>	SOLAS-74 reg. IV/14  SOLAS-74 reg. X/3

Rules for the Equipment of Sea-Going Ships

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
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 <del>2020</del> 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 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>  ETS 300 067 (1993-10)	SOLAS-74 reg. IV/14  SOLAS-74 reg. X/3



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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, <del>Ed. 3.2(2019-06)</del> <u>Ed. 4.0 (2024-02)</u>  IEC 61162 series: - IEC 61162-1 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <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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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 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <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

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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 <del>2020</del> 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 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <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 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <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 <del>2020</del> 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 <del>Ed. 5.0 (2016-08)</del> Ed. 6.0 (2024-04) - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> Ed. 2.0 (2024-04) - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> Ed. 3.0 (2024-04)  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 <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2 <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3 Ed. 1.2 (2014-07) - IEC 61162-450 <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>	SOLAS-74 reg. IV/14  SOLAS-74 reg. X/3
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  <del>Radio Regulations 2020</del> <u>2024</u> ITU-R M.633-4 <del>(2010)</del> <u>5 (2023)</u> 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

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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
04230000MK	Survival craft portable two-way VHF radiotelephone apparatus  IV/7.2, 7.3	A.694(17) MSC.515(105)  Radio Regulations <del>2020</del> <u>2024</u> 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 <del>2020</del> <u>2024</u> 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
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 <del>2020</del> <u>2024</u>  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

## **PART V. RULES FOR THE EQUIPMENT OF SEA-GOING SHIPS**

### **1 GENERAL**

#### **1.2 DEFINITIONS AND EXPLANATIONS**

**Para 1.2.2.** After the definition "Radiated interference", **the new definition "IRNSS"** is introduced reading as follows:

"IRNSS stands for the Indian Regional Navigation Satellite System."



**2 NAVIGATIONAL EQUIPMENT OF SELF-PROPELLED SEA-GOING SHIPS**

**2.1 LIST OF NAVIGATIONAL EQUIPMENT**

Table 2.1.1 is amended as follows:

"Table 2.1.1

Nos.	Navigational equipment	Number of items for ships of gross tonnage							RS nomenclature code, remarks
		<150	≥150	≥300	≥500	≥3000	≥10000	≥50000	
1	Standard magnetic compass <sup>1</sup>	1	1	1	1	1	1	1	05010000MK
2	Pelorus or magnetic compass bearing device	1	1	1	1	1	1	1	May be included in magnetic compass
3	EPFS receiver <sup>2</sup>	1	1	1	1	1	1	1	05140300MK or 05140310MK or 05140320MK or 05140330MK
4	Radar reflector <sup>3</sup>	1 <sup>4</sup>	—	—	—	—	—	—	05140400MK
5	Sound reception system	1	1	1	1	1	1	1	05170000MK Required in ships with totally enclosed navigation bridge
6	Telephone for communication with emergency steering position	1	1	1	1	1	1	1	Required in ships with emergency steering position
7	Spare magnetic compass	1 <sup>5</sup>	1	1	1	1	1	1	05010000MK
8	Daylight signalling lamp	1 <sup>5</sup>	1	1	1	1	1	1	
9	Bridge navigational watch alarm system (BNWAS)	1 <sup>5</sup>	1	1	1	1	1	1	05190000MK Required in passenger and cargo ships

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Nos.	Navigational equipment	Number of items for ships of gross tonnage							RS nomenclature code, remarks
		<150	≥150	≥300	≥500	≥3000	≥10000	≥50000	
10	Echo sounder	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>5</sup> 1 <sup>4</sup>	1	1	1	1	1	05050000MK
11	Log	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>5</sup> 1 <sup>4</sup>	1	1	1	1	1	05030000MK
12	Transmitting heading device <sup>6,7</sup> <u>device<sup>5,6</sup></u>	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>5</sup> 1 <sup>4</sup>	1	—	—	—	—	05010100MK or 05010200MK or 05010300MK or 05020000MK
13	Radar including	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>5</sup> 1 <sup>4</sup>	1	1	2	2	2	One radar shall be a 9 GHz radar
	.1 EPA (electronic plotting aid)	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>5</sup> 1 <sup>4</sup>	1	—	—	—	—	05140210MK or 05140220MK or 05140230MK
	.2 ATA (automatic tracking aid)	—	—	—	1	2	1	1	05140220MK or 05140230MK
	.3 ARPA (automatic radar plotting aid)	—	—	—	—	—	1	1	05140230MK
14	AIS (automatic identification system)	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>5</sup> 1 <sup>4</sup>	4 <sup>1</sup> 4	1	1	1	1	05150000MK
15	Gyrocompass (GC) <sup>8</sup>	—	—	—	1	1	1	1	05020000MK
16	GC repeater at emergency steering position	—	—	—	1	1	1	1	Included in gyrocompass
17	GC bearing repeater	—	—	—	2 <sup>9</sup> 2 <sup>8</sup>	2	2	2	Included in gyrocompass
18	Heading or track control system	—	—	—	—	—	1	1	05060000MK or 05060100MK
19	Rate-of-turn indicator	—	—	—	—	—	—	1	05120000MK
20	Absolute log	—	—	—	—	—	—	1	05030100MK

Nos.	Navigational equipment	Number of items for ships of gross tonnage						RS nomenclature code, remarks	
		<150	≥150	≥300	≥500	≥3000	≥10000		≥50000
<b>21</b>	Indicators of:								The indicators shall be readable from the position from which the ship is normally navigated
	.1 rudder angle	—	—	—	1	1	1	1	11070200
	.2 propeller revolutions, the force and direction of thrust	—	—	—	1	1	1	1	11070400
	.3 pitch and operational mode of controllable pitch propeller(s)	—	—	—	1	1	1	1	11070300 To be fitted where controllable pitch propeller(s) is/are provided
	.4 force and direction of lateral thrust of the thruster(s)	—	—	—	1	1	1	1	11070400 To be fitted where thruster(s) is/are provided

- <sup>1</sup> Remote transmission of the standard magnetic compass dial readings to the main steering position is required.
- <sup>2</sup> The electronic position fixing system (EPFS) used (global navigation satellite system or regional radio navigation system) shall be available for use at all times throughout the intended voyage.
- <sup>3</sup> Not required where the ship's effective echoing area is sufficient to enable detection by radar at 9 GHz and 3 GHz (corresponding to a wave length of 3 and 10 cm, respectively).
- <sup>4</sup> ~~The provisions for the equipment are set out in Part III "Signal Means".~~
- <sup>54</sup> Required for passenger ships.
- <sup>65</sup> Provision shall be made for transmitting heading information for input to the equipment referred to in items 13, 13.1, 14 of the Table.
- <sup>76</sup> Not required provided the ship is fitted with a gyrocompass to transmit heading information for input to the equipment referred to in items 13, 13.1, 14 of the Table.
- <sup>87</sup> Provision shall be made for transmitting heading information for input to the equipment referred to in items 13, 13.2, 14 of the Table.
- <sup>98</sup> Required in ships of less than 1600 gross tonnage as far as practicable.

Notes: 1. In ships fitted with a radar with a plotting aid (EPA, ATA or ARPA) and/or a track control system, a speed and distance measuring device through the water (log) shall be provided.

2. A gyrocompass which shall be supplied from the main and emergency source of electrical power as well as from the transitional source of power which may be an accumulator battery may be used as a spare magnetic compass. In this case such gyrocompass cannot be considered as required by item 15 of the present Table for ships of 500 gross tonnage and more.

3. Instead of paper nautical charts, ECDIS (RS nomenclature code 05130000MK) with a backup arrangement may be used. The backup arrangement may be a second ECDIS or a set of paper nautical charts.

**3 SPACES INTENDED FOR INSTALLATION OF NAVIGATIONAL EQUIPMENT.  
ARRANGEMENT OF NAVIGATIONAL EQUIPMENT AND CABLING**

**3.4 ARRANGEMENT OF NAVIGATIONAL EQUIPMENT ON BOARD SHIP**

**New para 3.4.7.4** is introduced reading as follows:

**"3.4.7.4** The alarm devices of BNWAS shall be located so to ensure:

- .1** a visual indication activated at the end of the dormant period is visible from any workstation on the bridge;
- .2** a first stage audible alarm is possible to hear at every workstation on the bridge;
- .3** a second stage audible alarm is sounded in the back-up officer's and/or Master's location;
- .4** a third stage audible alarm is sounded at the locations of other crew members capable of taking corrective actions."

**New para 3.4.7.5** is introduced reading as follows:

**"3.4.7.5** In ships other than passenger ships, the second or third stage audible alarms may sound at the same time in all the locations specified in **3.4.7.4.3, 3.4.7.4.4**. In this case, the third stage alarm may be omitted."

The title of Appendix 1 is amended as follows:

**"LIST OF NORMATIVE REGULATORY DOCUMENTS APPLICABLE IN THE PERFORMANCE OF WORK ON TYPE APPROVAL TO THE TYPE APPROVAL WORK OF SHIPBORNE NAVIGATIONAL EQUIPMENT"**

The Table of the List is amended as follows:

"

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05010000MK	Standard magnetic compass V/19.2.1.1	SOLAS-74 Reg. V/19.2.1.1 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 A.694(17) A.382(X)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 1069:1973 ISO 25862:2019
05010200MK	Transmitting heading device THD (magnetic method) V/19.2.3.5	SOLAS-74 Reg. V/19.2.3.5 MSC.36(63) (1994 HSC 13) MSC.97(73) (2000 HSC 13)  A.694(17)  MSC.116(73) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 22090-2:2014 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05010100MK	Transmitting heading device THD (GNSS method)  V/19.2.3.5	SOLAS-74 Reg. V/19.2.3.5  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.116(73) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 22090-3, Ed. 2.0 (2014-03) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05010300MK	Transmitting heading device THD (Gyroscopic method)  V/19.2.3.5	SOLAS-74 Reg. V/19.2.3.5  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.116(73) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 22090-1:2014 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05020000MK	Gyro compass  V/19.2.5.1	SOLAS-74 Reg. V/19.2.5.1  A.694(17) A.424(XI)  MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 8728:2014 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05020010MK	Gyro compass for high-speed craft  HSC Code (2000) 13.2.6	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17) A.821(19)  MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 16328:2014 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05030000MK	Speed and distance measuring equipment through the water (SDME)  V/19.2.3.4	SOLAS-74 Reg. V/19.2.3.4  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.96(72) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61023, Ed. 3.0 (2007-06) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05030100MK	Speed and distance measuring equipment over the ground in the forward and athwartships direction (SDME)  V/19.2.9.2	SOLAS-74 Reg. V/19.2.9.2  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.96(72) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61023, Ed. 3.0 (2007-06) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>



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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05050000MK	Echo-sounding equipment  V/19.2.3.1	SOLAS-74 Reg. V/19.2.3.1  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.74(69) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 9875:2000 incl. ISO Technical Corr. 1:2006 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05060000MK	Heading control system (HCS)  V/19.2.8.2	SOLAS-74 Reg. V/19.2.8.2  A.694(17)  MSC.64(67) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 11674:2019  IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05060010MK	Heading control system for high-speed craft  HSC Code (2000) 13.12	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17) A.822(19)  MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 16329:2003 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05060100MK	Track control system  V/19.2.8.2	SOLAS-74 Reg. V/19.2.8.2  A.694(17)  MSC.74(69) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62065, Ed. 2.0 (2014-02) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05070000MK	Integrated navigation system	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.191(79) MSC.466(101) MSC.252(83) MSC.452(99) MSC.302(87)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61924-2, Ed. 2.0 (2021-02) IEC 62288, Ed. 3.0 (2021-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>  IEC 62923-1, Ed. 1.0 (2018-08) IEC 62923-2, Ed. 1.0 (2018-08)
05120000MK	Rate-of-turn indicator  V/19.2.9.1	SOLAS-74 Reg. V/19.2.9.1  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17) A.526(13)  MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 20672:2022 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05130000MK	Electronic chart display and information system (ECDIS)  V/19.2.10	SOLAS-74 Reg. V/19.2.1.4  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.232(82) MSC.191(79) MSC.466(101)  MSC.1/Circ.1503. Rev.1	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61174, Ed. 4.0 (2015) IEC 62288, Ed. 3.0 (2021-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140210MK	Radar equipment for ships less than 500 gt (CAT 3)  V/19.2.3.2	SOLAS-74 Reg. V/19.2.3.2  A.694(17)  MSC.192(79) MSC.191(79) MSC.466(101)  ITU-R M.1177-4 (2011)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62388, Ed. 2.0 (2013-06) IEC 62288, Ed. 3.0 (2021-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

Rules for the Equipment of Sea-Going Ships

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05140220MK	Radar equipment for ships less than 10 000 gt (CAT 2)  V/19.2.7.1	SOLAS-74 Reg. V/19.2.7.1  A.694(17)  MSC.192(79) MSC.191(79) MSC.466(101)  ITU-R M.1177-4 (2011)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62388, Ed. 2.0 (2013-06) IEC 62288, Ed. 3.0 (2021-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140230MK	Radar equipment for ships of 10 000 gt and upwards (CAT 1)  V/19.2.8.1	SOLAS-74 Reg. V/19.2.8.1  A.694(17)  MSC.192(79) MSC.191(79) MSC.466(101)  ITU-R M.1177-4 (2011)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62388, Ed. 2.0 (2013-06) IEC 62288, Ed. 3.0 (2021-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05140231MK	Radar equipment for high-speed craft (CAT 1H, CAT 2H)  V/19.2.8.1 V/19.2.3.2  HSC Code (2000) 13.5	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.192(79) MSC.191(79) MSC.466(101)  ITU-R M.1177-4 (2011)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62388, Ed. 2.0 (2013-06) IEC 62288, Ed. 3.0 (2021-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140232MK	Chart radar equipment (CAT 1C, CAT 2C)	A.694(17)  MSC.192(79) MSC.191(79) MSC.466(101)  ITU-R M.1177-4 (2011)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62388, Ed. 2.0 (2013-06) IEC 62288, Ed. 3.0 (2021-12) IEC 61174, Ed. 4.0 (2015-08)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

Rules for the Equipment of Sea-Going Ships

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05140233MK	Chart radar equipment for high-speed craft (CAT 1HC, CAT 2HC)	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.192(79) MSC.191(79) MSC.466(101)  ITU-R M.1177-4 (2011)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62388, Ed. 2.0 (2014-02) IEC 62288, Ed. 3.0 (2021-12) IEC 61174, Ed. 4.0 (2015-08)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140300MK	GNSS receiver (GPS)  V/19.2.1.6	SOLAS-74 Reg. V/19.2.1.6  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.112(73) MSC.191(79)  ITU-R M.823-3 (2006)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61108-1, Ed. 2.0 (2003-07) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05140310MK	GNSS receiver (GLONASS)  V/19.2.1.6	SOLAS-74 Reg. V/19.2.1.6  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.113(73) MSC.191(79)  ITU-R M.823-3 (2006)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61108-2, Ed. 1.0 (1998-06) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140320MK	GNSS receiver (Galileo)  V/19.2.1.6	SOLAS-74 Reg. V/19.2.1.6  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.233(82) MSC.191(79)  ITU-R M.823-3 (2006)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61108-3, Ed. 1.0 (2010-05) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>



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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05140330MK	Combined GPS/GLONASS equipment  V/19.2.1.6	SOLAS-74 Reg. V/19.2.1.6  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.115(73) MSC.191(79)  ITU-R M.823-3 (2006)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61108-1, Ed. 2.0 (2003-07) IEC 61108-2, Ed. 1.0 (1998-06) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140340MK	Differential beacon receiver for DGPS and DGLONASS equipment	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.114(73)  ITU-R M.823-3 (2006)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61108-4, Ed. 2.0 (2004-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
<u>05140350MK</u>	<u>GNSS receiver (Beidou)</u>  <u>V/19.2.1.6</u>	<u>SOLAS-74 Reg. V/19.2.1.6</u>  <u>MSC.36(63)-(1994 HSC Code) 13</u> <u>MSC.97(73)-(2000 HSC Code) 13</u>  <u>A.694(17)</u>  <u>MSC.379(93)</u> <u>MSC.191(79)</u>  <u>ITU-R M.823-3 (2006)</u>	<u>IEC 60945 series:</u> <u>- IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> <u>- GOST R IEC 60945-2007</u>  <u>IEC 61108-5, Ed. 1.0 (2020-03)</u> <u>IEC 62288, Ed. 2.0 (2014-07)</u>  <u>IEC 61162 series:</u> <u>- IEC 61162-1, Ed. 6.0 (2024-04)</u> <u>- IEC 61162-2, Ed. 2.0 (2024-04)</u> <u>- IEC 61162-3, Ed. 1.2 (2024-04)</u> <u>- IEC 61162-450, Ed. 3.0 (2024-04)</u>
<u>05140360MK</u>	<u>IRNSS receiver</u>  <u>V/19.2.1.6</u>	<u>SOLAS-74 Reg. V/19.2.1.6</u>  <u>MSC.36(63)-(1994 HSC Code) 13</u> <u>MSC.97(73)-(2000 HSC Code) 13</u>  <u>A.694(17)</u>  <u>MSC.449(99)</u> <u>MSC.191(79)</u>  <u>ITU-R M.823-3 (2006)</u>	<u>IEC 60945 series:</u> <u>- IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> <u>- GOST R IEC 60945-2007</u>  <u>IEC 61108-6, Ed. 1.0 (2023-02)</u> <u>IEC 62288, Ed. 2.0 (2014-07)</u>  <u>IEC 61162 series:</u> <u>- IEC 61162-1, Ed. 6.0 (2024-04)</u> <u>- IEC 61162-2, Ed. 2.0 (2024-04)</u> <u>- IEC 61162-3, Ed. 1.2 (2024-04)</u> <u>- IEC 61162-450, Ed. 3.0 (2024-04)</u>
05140400MK	Radar reflector – passive type  V/19.2.1.7	SOLAS-74 Reg. V/19.2.1.7  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  MSC.164(78)	IEC 60945 series: <u>- IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> <u>- GOST R IEC 60945-2007</u>  ISO 8729-1:2010

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05150000MK	Class A shipborne equipment of the automatic identification system (AIS)  V/19.2.4	SOLAS-74 Reg. V/19.2.4.5  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.74(69) MSC.191(79)  Регламент Радиосвязи 2020 ITU-R M.1371-5 (2014)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61993-2, Ed. 3.0 (2018-07) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05160100MK	<del>Voyage data recorder (VDR) installed before 1 July 2022</del>  <del>V/20.1</del>	<del>SOLAS 74 Reg. V/20.1</del>  <del>MSC.36(63) (1994 HSC Code) 13</del> <del>MSC.97(73) (2000 HSC Code) 13</del>  <del>A.694(17)</del>  <del>MSC.333(90)</del> <del>MSC.191(79)</del>	IEC 60945 series: <del>- IEC 60945, Ed. 4.0/Cor.1 (2008-04)</del> <del>- GOST R IEC 60945-2007</del>  <del>IEC 61996-1, Ed. 2.0 (2014-02)</del> <del>IEC 62288, Ed. 2.0 (2014-07)</del>  IEC 61162 series: <del>- IEC 61162-1, Ed. 5.0 (2016-08)</del> <del>- IEC 61162-2, Ed. 1.0 (1998-09)</del> <del>- IEC 61162-3, Ed. 1.2 (2014-07)</del> <del>- IEC 61162-450, Ed. 2.0 (2018-05)</del>

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05160100MK	Voyage data recorder (VDR) <del>installed</del> <del>on 1 July 2022 or after</del>  V/20.1	SOLAS-74 Reg. V/20.1  MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.333(90) MSC.494(104) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61996-1, Ed. 2.1 (2021-05) IEC 62288, Ed. 2.0 (2014-12)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05160200MK	Simplified voyage data recorder (S-VDR) <del>installed before 1 July 2022</del>  <del>V/20.2</del>	<del>SOLAS-74 Reg. V/20.2</del>  <del>A.694(17)</del>  <del>MSC.163(78)</del> <del>MSC.214(81)</del> <del>MSC.191(79)</del>	<del>IEC 60945 series:</del> <del>- IEC 60945, Ed. 4.0/Cor.1 (2008-04)</del> <del>- GOST R IEC 60945-2007</del>  <del>IEC 61996-2, Ed. 1.0 (2007-11)</del> <del>IEC 62288, Ed. 2.0 (2014-07)</del>  <del>IEC 61162 series:</del> <del>- IEC 61162-1, Ed. 5.0 (2016-08)</del> <del>- IEC 61162-2, Ed. 1.0 (1998-09)</del> <del>- IEC 61162-3, Ed. 1.2 (2014-07)</del> <del>- IEC 61162-450, Ed. 2.0 (2018-05)</del>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05160200MK	Simplified voyage data recorder (S-VDR) <del>installed on 1 July 2022 or after</del>  V/20.2	SOLAS-74 Reg. V/20.2  A.694(17)  MSC.163(78) MSC.214(81) MSC.493(104) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61996-2, Ed. 1.0 (2007-11) IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05170000MK	Sound reception system  V/19.2.1.8	SOLAS-74 Reg. V/19.2.1.8  MSC.36(63)-(1994 HSC Code) MSC.97(73)-(2000 HSC Code)  A.694(17)  MSC.86(70) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 14859:2012 IEC 62288 Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05190000MK	Bridge navigational watch alarm system (BNWAS)  V/19.2.2.3	A.694(17)  MSC.128(75) MSC.191(79)	IEC 60945 series: - IEC 60945 Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62288, Ed. 2.0 (2014-07) IEC 62616:2010 / incl. Corr. 1(2012)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05200000MK	Equipment with long-range identification and tracking (LRIT) capability  V/19-1.4.1, 2	SOLAS-74 Reg. V/19-1  A.694(17)  MSC.263(84) MSC.1/Circ.1307	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62729, Ed. 1.0 (2012-06)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

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RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05220100MK	Night vision equipment for high-speed craft  HSC Code (2000), 13.10	MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13  A.694(17)  MSC.94(72) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  ISO 16273:2020 IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05230000	Electronic inclinometer	A.694(17)  MSC.363(92) MSC.191(79)	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62288, Ed. 2.0 (2014-07)  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>

Rules for the Equipment of Sea-Going Ships

RS nomenclature code	Item designation, SOLAS 74 regulation	RS rules, 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 (testing standards)
05220000	Meteorological complex	A.694(17)  Appendix 2, Section 1	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 61162 series: - IEC 61162-1, <del>Ed. 5.0 (2016-08)</del> <u>Ed. 6.0 (2024-04)</u> - IEC 61162-2, <del>Ed. 1.0 (1998-09)</del> <u>Ed. 2.0 (2024-04)</u> - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, <del>Ed. 2.0 (2018-05)</del> <u>Ed. 3.0 (2024-04)</u>
05140240	Radar ice display	A.694(17)  MSC.191(79)  Appendix 2, Section 4	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007  IEC 62288, Ed. 2.0 (2014-07)
<u>05411000</u>	<u>450-Node</u>	<u>A.694(17)</u>  <u>Appendix 2, Section 5</u>	<u>IEC 60945:</u> - <u>IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> - <u>GOST R IEC 60945-2007</u>  <u>IEC 61162 series:</u> - <u>IEC 61162-460, Ed. 3.0 (2024-04)</u>
<u>05412000</u>	<u>460-Node</u>	<u>A.694(17)</u>  <u>Appendix 2, Section 5</u>	<u>IEC 60945:</u> - <u>IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> - <u>GOST R IEC 60945-2007</u>  <u>IEC 61162 series:</u> - <u>IEC 61162-460, Ed. 3.0 (2024-04)</u>
<u>05413000</u>	<u>460-Switch</u>	<u>A.694(17)</u>  <u>Appendix 2, Section 5</u>	<u>IEC 60945:</u> - <u>IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> - <u>GOST R IEC 60945-2007</u>  <u>IEC 61162 series:</u> - <u>IEC 61162-460, Ed. 3.0 (2024-04)</u>



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<u>05414000</u>	<u>460-Forwarder</u>	<u>A.694(17)</u>  <u>Appendix 2, Section 5</u>	<u>IEC 60945:</u> - <u>IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> - <u>GOST R IEC 60945-2007</u>  <u>IEC 61162 series:</u> - <u>IEC 61162-460, Ed. 3.0 (2024-04)</u>
<u>05415000</u>	<u>460-Gateway</u>	<u>A.694(17)</u>  <u>Appendix 2, Section 5</u>	<u>IEC 60945:</u> - <u>IEC 60945, Ed. 4.0/Cor.1 (2008-04)</u> - <u>GOST R IEC 60945-2007</u>  <u>IEC 61162 series:</u> - <u>IEC 61162-460, Ed. 3.0 (2024-04)</u>

"

## ADDITIONAL REQUIREMENTS FOR EQUIPMENT

**Section 5.** The title is amended as follows:

### **"5 ~~CYBER SAFETY EQUIPMENT OF 460-NETWORK~~".**

**Paras 5.1** and **5.2** are amended as follows:

**5.1** The ~~cyber safety~~ equipment of 460-network for shipborne radio and navigational equipment shall ~~comply with~~ meet the requirements as specified in standard IEC 60945:2002/COR1:2008 (GOST R IEC 60945-2007).

**5.2** The ~~cyber safety~~ equipment of 460-network for shipborne radio and navigational equipment shall ~~comply with~~ meet the requirements as specified in ~~IEC 61162-460:2020~~ standard IEC 61162-460:2024."

Russian Maritime Register of Shipping

**Rule Change Notice to the Rules for the Equipment of Sea-Going Ships**

Endorsed: 24-212614

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