

GUIDELINES

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

ND No. 2-030101-053-E

RULE CHANGE NOTICE

ENTERS INTO FORCE:

01.01.2025



St. Petersburg
2024

GUIDELINES ON THE APPLICATION OF PROVISIONS OF CHAPTER V OF SOLAS-74

The present Rule Change Notice to the Guidelines on the application of provisions of chapter V 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, except for editorial amendments. RCN amendments come in force on 1 January 2025.

REVISION HISTORY

Item	Applied to	Description	Remarks
Para 19.2.2.3	Navigational equipment Bridge navigational watch alarm system (BNWAS)	A comment has been added related to the location of alarm devices for BNWAS	IMO resolution MSC.128(75)
Appendix 1	Navigational equipment	References have been updated to the applicable revisions of the IEC 61162 series	
Appendix 1	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 1	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)
Appendix 2	Cargo ships Navigational equipment Automatic identification system (AIS)	The Table has been replaced to eliminate an inaccuracy regarding the installation of AIS for cargo ships of less than 300 gross tonnage not engaged in international voyages	
Appendix 3	Navigational equipment IRNSS receiver	The definition of IRNSS has been added	

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

REGULATION 19. CARRIAGE REQUIREMENTS FOR SHIPBORNE NAVIGATIONAL SYSTEMS AND EQUIPMENT

Para 2.2.3 is amended as follows:

".3 a bridge navigational watch alarm system (BNWAS), as follows:
cargo ships of 150 gross tonnage and upwards and passenger ships irrespective of size
(refer to SOLAS-74 for time limits of equipping).

Comment:

The deadline for equipping is the first survey of the ship after 01.01.2018 (refer to MSC.1/Circ.1290).

Devices for acknowledgement of visual and audible alarms, as well as reset of bridge navigational watch alarm system shall only be available in positions on the ship's navigation bridge giving proper look out and preferably adjacent to visual indications. Devices for acknowledgement of visual and audible alarms, as well as reset of bridge navigational watch alarm system shall be easily accessible from the conning position, the workstation for navigating and maneuvering, the workstation for monitoring and the bridge wings.

The device structure shall ensure that it can be used only by the watch-keeping officer on the ship's navigation bridge and shall be protected from accidental use by unauthorized persons.

A special "Emergency Call" key may be installed at the workstation for navigating and maneuvering. The key is intended for immediate sounding, in case of necessity, an audible alarm signal of the second, and then, third level to call another watch-keeping officer and/or the Master.

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

a visual indication activated at the end of the dormant period is visible from any workstation on the bridge;

a first stage audible alarm is possible to hear at every workstation on the bridge;

a second stage audible alarm is sounded in the back-up officer's and/or Master's location;

a third stage audible alarm is sounded at the locations of other crew members capable of taking corrective actions.

In ships other than passenger ships, the second or third stage audible alarms may sound at the same time in all the above locations. In this case, the third stage alarm may be omitted.

(Refer to MSC.282(86), MSC.128(75))

The bridge navigational watch alarm system shall be in operation whenever the ship is underway at sea.

Comment:

The use of the automatic mode to ensure the automatic activation of the BNWAS when the ship's heading or track control system is activated and the automatic deactivation of the BNWAS when the heading or track control system terminates, is not allowed, and connection of the BNWAS system to the ship's heading or track control system is not required.

(Refer to MSC.1/Circ.1474)"

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 NAVIGATIONAL 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 (testing standards)	Requirements for type approval of the item
Navigational equipment				
05010000MK	Standard magnetic compass V/19.2.1.1	SOLAS-74 Reg. V/19.2.1.1 A.694(17) A.382(X) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13	IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 ISO 1069:1973 ISO 25862:2019	SOLAS-74 Reg. V/18

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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 (testing standards)	Requirements for type approval of the item
05010200MK	Transmitting heading device THD (magnetic method) V/19.2.3.5	SOLAS-74 Reg. V/19.2.3.5 A.694(17) MSC.36(63) (1994 HSC 13) MSC.97(73) (2000 HSC 13) 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, 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. V/18
05010100MK	Transmitting heading device THD (GNSS method) V/19.2.3.5	SOLAS-74 Reg. V/19.2.3.5 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18

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05010300MK	Transmitting heading device THD (Gyroscopic method) V/19.2.3.5	SOLAS-74 Reg. V/19.2.3.5 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18
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, 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. V/18

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05020010MK	Gyro compass for high-speed craft HSC Code (2000) 13.2.6	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
05030000MK	Speed and distance measuring equipment through the water (SDME) V/19.2.3.4	SOLAS-74, Reg. V/19.2.3.4 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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05030100MK	Speed and distance measuring equipment over the ground in the forward and athwartships direction (SDME) V/19.2.3.4	SOLAS-74, Reg. V/19.2.3.4 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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05050000MK	Echo-sounding equipment V/19.2.3.1	SOLAS-74, Reg. V/19.2.3.1 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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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, 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. V/18

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05060010MK	Heading control system for high-speed craft HSC Code (2000) 13.12	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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. <u>3.0 (2021-12)</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>	SOLAS-74 Reg. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
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, 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. V/18

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05070000MK	Integrated navigation system	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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05120000MK	Rate-of-turn indicator V/19.2.9.1	SOLAS-74, Reg. V/19.2.9.1 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
05130000MK	Electronic chart display and information system (ECDIS) V/19.2.10	SOLAS-74, Reg. V/19.2.1.4 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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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, 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. V/18.
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, 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. V/18

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 (testing standards)	Requirements for type approval of the item
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, 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. V/18
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	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
05140233MK	Chart radar equipment for high-speed craft (CAT 1HC, CAT 2HC)	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
05140300MK	GNSS receiver (GPS) V/19.2.1.6	SOLAS-74, Reg. V/19.2.1.6 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
05140310MK	GNSS receiver (GLONASS) V/19.2.1.6	SOLAS-74, Reg. V/19.2.1.6 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
05140320MK	GNSS receiver (Galileo) V/19.2.1.6	SOLAS-74, Reg. V/19.2.1.6 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
05140330MK	Combined GPS/GLONASS equipment V/19.2.1.6	SOLAS-74, Reg. V/19.2.1.6 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
05140340MK	Differential beacon receiver for DGPS and DGLONASS equipment	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
<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>SOLAS-74 Reg. V/18</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>	<u>SOLAS-74 Reg. V/18</u>

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 (testing standards)	Requirements for type approval of the item
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: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007 ISO 8729-1:2010	SOLAS-74 Reg. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
05150000MK	Class A shipborne equipment of the automatic identification system (AIS) V/19.2.4	SOLAS-74, Reg. V/19.2.4.5 A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

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 (testing standards)	Requirements for type approval of the item
05160100MK	<p>Voyage data recorder (VDR) installed before 1 July 2022</p> <p>V/20.1</p>	<p>SOLAS-74, Reg. V/20.1 A.694(17)</p> <p>MSC.36(63) (1994 HSC Code) 13 MSC.97(73) (2000 HSC Code) 13</p> <p>MSC.333(90) MSC.191(79)</p>	<p>IEC 60945 series: –IEC 60945, Ed. 4.0/Cor.1 (2008-04) –GOST R IEC 60945-2007</p> <p>IEC 61996-1, Ed. 2.0 (2014-02) IEC 62288, Ed. 2.0 (2014-07)</p> <p>IEC 61162 series: –IEC 61162-1, Ed. 5.0 (2016-08) –IEC 61162-2, Ed. 1.0 (1998-09) –IEC 61162-3, Ed. 1.2 (2014-07) –IEC 61162-450, Ed. 2.0 (2018-05)</p>	<p>SOLAS-74 Reg. V/18</p> <p>SOLAS-74, Reg. X/3</p> <p>MSC.36(63) (1994 HSC Code) 13</p> <p>MSC.97(73) (2000 HSC Code) 13</p>
05160100MK	<p>Voyage data recorder (VDR) installed on 1 July 2022 or after</p> <p>V/20.1</p>	<p>SOLAS-74, Reg. V/20.1 A.694(17)</p> <p>MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13</p> <p>MSC.333(90) MSC.494(104) MSC.191(79)</p>	<p>IEC 60945 series: - IEC 60945, Ed. 4.0/Cor.1 (2008-04) - GOST R IEC 60945-2007</p> <p>IEC 61996-1, Ed. 2.1 (2021-05) IEC 62288, Ed. 2.0 (2014-12)</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. V/18</p> <p>SOLAS-74, Reg. X/3</p> <p>MSC.36(63)-(1994 HSC Code) 13</p> <p>MSC.97(73)-(2000 HSC Code) 13</p>

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 (testing standards)	Requirements for type approval of the item
05160200MK	Simplified voyage data recorder (S-VDR) installed before 1 July 2022 V/20.2	SOLAS-74, Reg. V/20.2 A.694(17) MSC.163(78) MSC.214(81) 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, Ed. 5.0 (2016-08) - IEC 61162-2, Ed. 1.0 (1998-09) - IEC 61162-3, Ed. 1.2 (2014-07) - IEC 61162-450, Ed. 2.0 (2018-05)	SOLAS-74 Reg. V/18
05160200MK	Simplified voyage data recorder (S-VDR) installed on 1 July 2022 or after 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, 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. V/18

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 (testing standards)	Requirements for type approval of the item
05170000MK	Sound reception system V/19.2.1.8	SOLAS-74, Reg. V/19.2.1.8 A.694(17) MSC.36(63)-(1994 HSC Code) MSC.97(73)-(2000 HSC Code) 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, 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. V/18 SOLAS-74, Reg. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13
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, 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. V/18

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 (testing standards)	Requirements for type approval of the item
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, 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. V/18
05220100MK	Night vision equipment for high-speed craft HSC Code (2000), 13.10	A.694(17) MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13 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, 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. X/3 MSC.36(63)-(1994 HSC Code) 13 MSC.97(73)-(2000 HSC Code) 13

LIST OF NAVIGATIONAL EQUIPMENT

The Table is replaced by the following text:

Nos.	Navigational equipment	Number of items for ships of gross tonnage							SOLAS-74 regulation, RS nomenclature code, explanations
		<150	≥150	≥300	≥500	≥3000	≥10000	≥50000	
1	Standard magnetic compass ¹	1	1	1	1	1	1	1	V/19.2.1.1
									05010000MK
2	Pelorus or magnetic compass bearing device	1	1	1	1	1	1	1	V/19.2.1.2
									As a rule, included in magnetic compass
3	EPFS Receiver ²	1	1	1	1	1	1	1	V/19.2.1.6
									05140300MK
4	Radar reflector	1 ³	—	—	—	—	—	—	V/19.2.1.7
									05140400MK
5	Sound reception system	1	1	1	1	1	1	1	V/19.2.1.8
									05170000 MK
									Required in ships with totally enclosed navigation bridge
6	Telephone for communication with emergency steering position	1	1	1	1	1	1	1	V/19.2.1.9
7	Spare magnetic compass	1 ⁴	1	1	1	1	1	1	V/19.2.2.1
									05010000MK
8	Daylight signalling lamp	1 ⁴	1	1	1	1	1	1	V/19.2.2.2
9	Bridge navigational watch alarm system (BNWAS)	1 ⁴	1	1	1	1	1	1	V/19.2.2.3
									05190000MK
10	Echo sounder	1 ⁴	1 ⁴	1	1	1	1	1	V/19.2.3.1
									05050000MK
11	Log	1 ⁴	1 ⁴	1	1	1	1	1	V/19.2.3.4
									05030000MK

Nos.	Navigational equipment	Number of items for ships of gross tonnage							SOLAS-74 regulation, RS nomenclature code, explanations
		<150	≥150	≥300	≥500	≥3000	≥10000	≥50000	
21	Electronic chart display and information system (ECDIS) ¹⁰	—	—	—	1 ⁴	1	1	1	V/19.2.10
									05130000MK
									Back-up arrangements shall be provided
22	Equipment of long-range identification and tracking system (LRIT system) ^{10, 11}	1 ⁴	1 ⁴	1	1	1	1	1	V/19-1.2.1
									05200000MK
23	Voyage data recorder (VDR) ¹⁰	1 ⁴	1 ⁴	1 ⁴	1 ⁴	1 ^{4, 12}	1 ^{4, 12}	1 ^{4, 12}	V/20.1
									05160100MK
24	Simplified voyage data recorder (S-VDR) ¹⁰	—	—	—	—	1 ¹³	1 ¹³	1 ¹³	V/20.2
									05160200MK
25	Indicators of:								V/19.2.5.4
									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, force and direction of thrust	—	—	—	1	1	1	1	11070400
	.3 pitch and operational mode of controllable pitch propeller(s) ¹⁴	—	—	—	1	1	1	1	11070300
4 force and direction of lateral thrust of thruster(s) ¹⁵	—	—	—	1	1	1	1	11070400	

Nos.	Navigational equipment	Number of items for ships of gross tonnage						SOLAS-74 regulation, RS nomenclature code, explanations
		<150	≥150	≥300	≥500	≥3000	≥10000	
1	Remote transmission of the standard magnetic compass dial readings to the main steering position is required.							
2	The electronic position fixing system (EPFS) used (global navigation satellite system or terrestrial radio navigation system) shall be available for use at all times throughout the intended voyage.							
3	Not required where the radar cross-section is sufficient for the ship to be detected by radar at 9 GHz and 3 GHz (corresponding to a wave length of 3 and 10 cm, respectively).							
4	Required for passenger ships.							
5	Provision shall be made for transmitting the ship's heading information to the equipment referred to in items 13, 13.1, and 14 of the Table.							
6	Not required provided the ship is fitted with a gyrocompass to transmit the ship's heading information to the equipment referred to in items 13, 13.1, and 14 of the Table.							
7	Required for ships engaged in international voyages.							
8	Provision shall be made for transmitting the ship's heading information to the equipment referred to in items 13, 13.2, and 14 of the Table.							
9	Required for ships of less than 1600 gross tonnage, as far as practicable.							
10	Not required for ships not engaged in international voyages.							
11	Ships, irrespective of their date of construction, fitted with an automatic identification system and operated exclusively within sea area A1 shall be exempted from the requirement for installation of LRIT system.							
12	Required for cargo ships constructed on or after 1 July 2002.							
13	Required on cargo ships constructed before 1 July 2002.							
14	To be fitted where controllable pitch propeller(s) is/are provided.							
15	To be fitted where thruster(s) is/are provided.							
<p>Notes: 1. For ships fitted with a radar with a plotting aid (EPA, ATA or ARPA) and/or the track control system, the speed-and-distance measuring device through the water (the log) shall be provided.</p> <p>2. For ships of 500 gross tonnage and upwards but less than 10 000 constructed before 1 September 1984, no log is required.</p> <p>3. For ships contracted for construction on or after 1 January 2007, gyrocompass may be used as a spare magnetic compass if powered by the main and emergency source of electrical power as well as by the transitional source of power which may be a rechargeable battery. In this case, such gyrocompass cannot be considered as the one required by item 15 of the present Table for ships of 500 gross tonnage and upwards.</p>								

DEFINITIONS AND ABBREVIATIONS

After the definition "GNSS", **the new definition "IRNSS"** is introduced reading as follows:

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

Russian Maritime Register of Shipping

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

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