



Maritime &
Coastguard
Agency

MERCHANT SHIPPING NOTICE

MSN 1874 (M+F) Amendment 8 Marine Equipment – United Kingdom conformity assessment procedures for marine equipment, Other Approval and Standards

Notice to all:

- Manufacturers and Distributors of Marine Equipment
- Masters, Officers and Skippers of: Merchant Ships, Fishing Vessels, Small Commercial Vessels and Pleasures Vessels
- Ship: Builders, Designers, Operators, Owners and Managers
- Marine Consultants, Recognised Organisations, Certifying Authorities, and Approved and Nominated Bodies

This Notice should be read with the Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/1025 as amended by the Merchant Shipping (Marine Equipment) (Amendment etc.) (EU Exit) Regulations 2019 SI 2019/470 and the Merchant Shipping (Marine Equipment) (Amendment) (UK and US Mutual Recognition Agreement) (EU Exit) Regulations 2019 SI 2019/1304 (“the Regulations”), MIN 590 Amendment 5 – United Kingdom conformity assessment procedures for marine equipment following the transition period and relevant UK carriage requirement instruments.

This Notice replaces MSN 1874 (M+F) amendment 7.

Summary

This Notice has been given force of law by Statute (SI 2016/1025) as amended.

The objective of the Regulations is to enhance safety at sea and prevention of pollution to the marine environment through the uniform application of the relevant international instruments relating to equipment to be placed on board ships registered with the UK.

This Notice gives technical information and guidance about the procedures for obtaining type approval in conformity with the Regulations. It also gives information regarding the United Kingdom's policy for enforcing these requirements, and other standards to be applied to equipment on board United Kingdom ships.

This Notice replaces Merchant Shipping Notice 1874 (M+F) amendment 7 in view of amendments to the Regulations to address failures of the Regulations (as originally enacted) to operate effectively and other deficiencies arising from the withdrawal of the United Kingdom from the European Union.

1. Introduction

1.1 The Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/1025 as amended (“the Regulations”) and this Notice sets out performance and testing standards to be met by marine equipment placed or to be placed on board a UK ship in accordance with the UK's conformity assessment procedures, as detailed in Part I of this Notice.

1.2 This Notice also sets out type approval procedures for equipment placed or to be placed on board UK ships which is outside the scope of the UK's conformity assessment procedures for marine equipment, but which requires conformity approval by various UK instruments. Such type approvals are carried out by nominated bodies in accordance with the procedures in Part II of this Notice.

1.3 Further, this Notice sets out the technical standards for equipment not requiring conformity assessment of type approval, before being placed on board a UK ship and for which the carriage requirement does not provide for a specific standard of equipment.

1.4 This Notice is split into three parts, covering three overarching categories of equipment:

1.4.1 Part I, sets out the equipment within the scope of the UK's conformity assessment procedures for marine equipment and the associated technical requirements to which equipment must be approved by an approved body;

1.4.2 Part II, sets out the requirements for equipment that falls outside the scope of the UK's conformity assessment procedures for marine equipment but nonetheless requires approval of the Maritime & Coastguard Agency (“MCA”) as the flag administration for UK ships under the international instruments, and equipment required to be approved in accordance with other UK domestic instruments; and

1.4.3 Part III, sets out technical standards and arrangements for other equipment, where there is no specified standard for such equipment in existing UK instruments.

1.5 Interpretation:

In this notice:

1.5.1 “The Regulations” shall mean the Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/1025 as amended by the Merchant Shipping (Marine Equipment) (Amendment etc.) (EU Exit) Regulations 2019 SI 2019/470.

1.5.2 Where a specific regulation is cited, unless specifically stated otherwise, this shall be construed as reference to a regulation within the Regulations.

1.5.3 Where the term “Part” is used in relation to Part I, II or III of this Notice, this refers to the respective part of this Notice.

1.5.4 Unless expressly stated otherwise, a term used in this Notice shall have the same

meaning as defined in regulation 2 of the Regulations.

Part I – Equipment within scope of the UK conformity assessment procedures for marine equipment

2. Scope of equipment approval according to the UK conformity assessment procedures for marine equipment

- 2.1 Equipment within the scope of Part I is that which is required by the international instruments and must be approved by the flag State administration of the relevant ship, as provided for in regulation 5(1).
- 2.2 Equipment to which Part I applies must be approved by one or more approved bodies. For more information regarding the approval procedure and/or the application of requirements of such equipment, an approved body which may assess the relevant equipment should be contacted. A full list of approved bodies can be found in paragraph 5.3 of this Part.
- 2.3 Manufacturers with existing approval certificates in accordance with the Marine Equipment Directive (Directive 2014/90/EU on marine equipment) (“MED”) were, until 1 January 2023, able to make their equipment available to the UK market and be placed on board UK ships as provided for in regulation 5 (provided MED and UK standards remained equivalent). However, from 1 January 2023, this is no longer accepted – except for the circumstances outlined in paragraphs 2.5 and 2.6 below.
- 2.4 MED approved marine equipment placed on board a UK flagged vessel before 1 January 2023 can remain on board for the duration of its operational life and only when items are replaced, after 1 January 2023, must they be replaced with UK approved marine equipment in accordance with the requirements in this MSN. This means that MED approved equipment that is on board a UK flagged vessel prior to the 1 January 2023 can remain on board until the end of the equipment’s operational life. For example, if a piece of MED approved equipment was on board a UK flagged vessel prior to 1 January 2023, and then reached the end of its operational life after 1 January 2023; it would need to be replaced with UK approved marine equipment thereafter.
- 2.5 Equipment that is defined as a ‘spare’ part can continue to be placed on board a United Kingdom ship, this includes after 1 January 2023. A ‘spare’ is defined as: *‘Spares are replacements of Wheelmarked or Red Ensign marked products which ensure continued functionality (i.e., via maintenance or repair) of a wider product or system on board a United Kingdom ship.’*
- 2.6 Additionally, EU-approved marine equipment that has been manufactured **before 1 January 2023** can continue to be placed on board United Kingdom ships as if it was a United Kingdom approved piece of marine equipment, subject to the timeframes around placing on board outlined elsewhere in this notice. If such equipment has been manufactured after 1 January 2023, then it must be UK approved.

3. Requirements for equipment to be placed on board a UK ship

- 3.1 Equipment placed on board a UK ship to which this Part applies must meet the design, construction and performance requirements of the international instruments detailed in Annex 1 of this Notice applicable at the time when that equipment is placed on board in accordance with regulation 5(1)
- 3.2 Unless there is a change in the applicable standards specified in Annex 1 of this Notice for equipment already placed on board a UK ship, existing approval will continue to be accepted providing equipment continues to operate in accordance

with its existing approval. If equipment is replaced, it must be replaced with equipment which complies with the Regulations.

4. Domestic passenger ships and large fishing vessels

4.1 As required by regulation 5(2), where equipment is specified in Annex 1 of this Notice, a domestic passenger ship or fishing vessel must carry equipment that complies with applicable international standards, except where a carriage requirement provides for an alternative standard. The carriage requirements are listed in Annex 4 of this Notice.

4.2 Regulation 5(2)(c) provides an exception to regulation 5(2) detailed above, such that equipment voluntarily placed on board must meet the standard(s) specified by the Secretary of State. This provision is to allow flexibility while ensuring a minimum standard of safety. Such specified standards will be agreed by a ship's appointed MCA surveyor where it is proven that the equipment complying with applicable international standards does not offer a practicable solution for reasons of size of the equipment/ integration with the ship or vessel etc.

5. UK Approved Bodies

5.1 The MCA has designated organisations listed below as approved bodies for the purpose of carrying out approvals of equipment to undertake the examination, testing and certification of the equipment specified in Annex 1 of this Notice.

5.2 For information regarding the equipment types and modules of conformity an approved body may perform, the specific body must be contacted.

5.3 Please see paragraph 6 for information regarding provisionally appointed UK Approved Bodies, including a definition.

<p>Apragaz Shearway Road Folkestone CT19 4RH Email: B.Neve@apragaz.com</p>	<p>BSI Group Kitemark Court Davy Avenue Knowhill Milton Keynes MK5 8PP Tel: +44(0) 845 080 9000 Email: Richard.gurney@bsigroup.com</p>
<p>Shirley Technologies Limited Trading as BTTG Unit 6 Wheel Forge Way Trafford Park Manchester M17 1EH Tel: +44(0) 161 876 4211 Email: Certification@bttg.co.uk</p>	<p>BRE Global Bucknalls Lane Garston WD25 9XX Tel: +44(0) 333 321 8811 Email: enquiries@bregroup.com</p>
<p>Bureau Veritas 206 Fort Dunlop Fort Parkway Birmingham B24 9FD Email: marineequipment.paris@bureauveritas.com</p>	<p>Centexbel International Ltd 8 Northumberland Avenue London WC2N 5BY Tel: Email: info@centexbelinternational.co.uk</p>
<p>DBI Certification UK Ltd Unit 1 & 2 Northcot Park Station Road</p>	<p>DNV UK Ltd Technical manager for DNV UK Ltd: Mark.Hayward@DNV.com</p>

<p>Blockley Gloucestershire GL56 9LH</p> <p>Email: info@dbicertification.co.uk</p>	<p>Service area responsible: Burkhard.Lilienthal@DNV.com</p> <p>Marine equipment practice responsibilities: Christine.Mydlak@DNV.com Oyvind.Hoff@DNV.com</p> <p>Vivo Building 30 Stamford Street London SE1 9LQ</p>
<p>Fleetwood Test House Blackpool & Fylde College Fleetwood FY7 8JZ</p> <p>Tel: +44(0) 1253 504725 Email: Brooke.Schofield@blackpool.ac.uk</p>	<p>KIWA Ltd Kiwa House Malvern View Business Park Stella Way Bishops Cleeve Cheltenham Gloucestershire GL52 7DQ</p> <p>Tel: +44(0) 1242 677877 Email: uk.enquiries@kiwa.com</p>
<p>Lloyds Register Marine Ltd Lloyd's Register Marine Ltd. Global Technology Centre Hampshire House Hampshire Corporate Park Southampton SO53 3RY</p> <p>Tel: +44(0)330 414 0425 Email: TASS@lr.org</p>	<p>TUV SUD BABT Unlimited Octagon House, Concorde Way, Segensworth, North Fareham P015 5RL Hampshire</p> <p>Tel: 01489 558100 Email: babt@tuvsud.com</p>
<p>UL International (UK) Ltd Unit 1 – 3 Horizon Kingsland Business Park Wade Road Basingstoke Hampshire RG24 8AH</p> <p>Tel: +44 (0) 01256 312100 Email: Neil.Friggi@ul.com Michael.Kirkland@ul.com</p>	<p>Warrington Testing and Certification Ltd Suite 302 Genesis Centre Birchwood Warrington Cheshire WA3 7BH</p> <p>Tel: +44 (0) 1925 646 671 Tel: +44 (0) 1925 655 116 Email: Stacey.Deeming@warringtonfire.com</p>

5.4 Approved Bodies must meet the requirements of Schedule 3 of the Regulations and will be assessed at least once every 2 years to confirm compliance with these requirements. The United Kingdom Accreditation Services (UKAS) as the national accreditation body is delegated this assessment responsibility. Further information and guidance is available for conformity assessment bodies wishing to be designated as an approved body in Marine Guidance Note 554 as amended.

5.5 The MCA is responsible for designating approved bodies on behalf of the Secretary of State. For this purpose, the MCA can be contacted at the following address:

UK Technical Services Ship Standards
Maritime and Coastguard Agency
Bay 2/21
Spring Place
105 Commercial Road
Southampton
SO15 1EG
United Kingdom

Email: MEQA@mcga.gov.uk

6. UK Market surveillance

- 6.1 The MCA, on behalf of the Secretary of State for Transport, is the market surveillance authority for equipment and is required to carry out market surveillance. Approved Bodies, manufacturers and manufacturers' authorised representatives must cooperate with MCA market surveillance inspectors as indicated in this Part and in accordance with the Regulations. Market surveillance seeks to ensure the safety of products offered for supply to the UK market and UK ships. Such market surveillance will take into consideration the conformity assessment procedures applicable to equipment and the responsibilities of the flag State administrations in the international instruments.
- 6.2 Market surveillance may include the inspection of documents supplied with equipment to confirm its compliance as well as checks of equipment specified in regulation 5(1), whether or not it has been placed on board a UK ship. Where checks are carried out on equipment placed on board a UK ship, such checks will be limited to examinations that can be carried out while the equipment remains fully functional on board.
- 6.3 When the MCA has received evidence to suggest equipment specified in Part I may not be in compliance with the international instruments and/or poses a risk to the safety of persons on board UK ships or the marine environment it may seek further evidence by carrying out sample checks of such equipment. Accordingly, the MCA may request the manufacturer to provide the necessary samples at the manufacturer's own cost or give on-the-spot access to the samples at the manufacturer's premises.
- 6.4 Where the MCA has sufficient reason to believe that equipment to which this Part is applicable presents a risk to maritime safety, to health or to the environment, it may carry out an evaluation in relation to the equipment concerned covering all the requirements for such equipment. The relevant economic operators must cooperate as necessary with the MCA in accordance with the Regulations. Additionally, the MCA may inform the public on the potential risk via the publication of safety bulletins etc.
- 6.5 Where the MCA finds that, subject to the evaluation in 6.4, the equipment does not comply with the requirements in this Part, the MCA may without delay require the relevant economic operator to take all appropriate corrective actions to bring the equipment into compliance with those requirements, using existing powers in the Merchant Shipping Act 1995 by way of an Improvement or Prohibition Notice. This will be commensurate with the nature and extent of the risk which the MCA considers is posed by the equipment, as it may prescribe, or any other corrective measure justified by the MCA. The MCA will inform the relevant approved body accordingly. Where the economic operator does not carry out such corrective measures within the timeframe specified by the MCA, the MCA may initiate such appropriate measures as are necessary to prohibit or restrict non-compliant equipment from being supplied to the UK market or placed on board UK ships.

6.6 Where it is considered that non-compliance may not be limited to the UK market, the MCA may inform other parties to the international instruments flag administrations and international organisations to include the nature of the non-compliance and the corrective actions which has been implemented.

PART II – Approved equipment outside the scope of the UK’s conformity assessment procedures but requiring approval under international instruments or other UK domestic instruments

7. Scope of Approval

- 7.1 Equipment to which this Part applies is that equipment outside the scope the UK’s conformity assessment procedures for marine equipment, but nonetheless requires approval by the MCA as a UK ship’s flag administration under international instruments. Part II also applies to equipment that requires approval by other UK domestic instruments and are specified in Annex 2 of this Notice. This equipment must be type approved by the UK Nominated Bodies.
- 7.2 Where equipment within the scope of this Part is of a novel nature or subject to significant design changes or the specifications or testing requirements are not considered to be sufficiently developed or experience of their usage is limited, the MCA must be contacted regarding the undertaking of the necessary approval procedure. For this purpose, the MCA contact details in paragraph 5.5 above should be used. This is in addition to also contacting a relevant Nominated Body.

8. Requirements for equipment

- 8.1 Equipment which is placed on board a UK ship to which this Part applies must hold a valid type approval certificate issued by a nominated body at the time when that equipment is placed on board.
- 8.2 The performance and testing standards of equipment within the scope of this Part are specified in Annex 2 of this Notice. In consultation with the MCA, a nominated body may waive the requirements for any test specifically cited in a performance standard providing it is satisfied that the sample has met the criteria of a specification superior to that of the prescribed test.
- 8.3 Existing type approval certificates for equipment within the scope of this Part will remain valid before the certificate’s expiry date, or until cancelled. Upon the expiry date of the certificate, manufacturers must re-apply for renewal of their certificate to a nominated body. If requirements have not changed a new certificate will be issued. All certificates of type approval will be valid for up to 5 years.
- 8.4 Unless there is a change in the required standards specified in Annex 2 of this Notice applicable to equipment already placed on board a UK ship, existing approval will continue to be accepted providing the equipment operates satisfactorily. If it needs to be replaced, then it must be replaced with equipment for which a current type approval certificate is in force.

9. Domestic passenger ships and large fishing vessels

- 9.1 As required by regulation 5(2), where equipment is specified in Annex 2 of this Notice, a domestic passenger ship or fishing vessel must carry equipment that has been approved by a nominated body, except where a carriage requirement provides for an alternative standard to be met. The carriage requirements are listed in Annex 4 of this Notice.
- 9.2 Regulation 5(2)(c) provides an exception to regulation 5(2) detailed above, such that equipment voluntarily placed on board must meet the standard(s) specified by the Secretary of State. This provision is to allow flexibility while ensuring a minimum standard of safety. Such specified standards will be agreed by a ship’s appointed MCA surveyor where it is proven that the equipment complying with applicable international standards does not offer a practicable solution for reasons of size of the equipment/ integration with the ship or vessel etc.

10. Application for type approval

- 10.1 A manufacturer or person wishing to obtain type approval of equipment specified in Annex 2 of this Notice must submit an application to a nominated body, in accordance with Part 4 of the Regulations. The application must include:
- 10.1.1 The name and address of the manufacturer and, if the application is lodged by an authorised representative, their name and address;
 - 10.1.2 A written declaration that the same or a similar application has not been lodged with another nominated body;
 - 10.1.3 The technical documentation described in 10.3 below; and
 - 10.1.4 The applicant must place at the disposal of the nominated body sufficient specimens representative of the production envisaged. The nominated body may request further specimens if needed for carrying out the test programme.
- 10.2 The technical documentation must enable a nominated body to assess conformity of the product with the requirements and testing standards specified in Annex 2 of this Notice. It must cover the design, build standards, manufacture and functioning of the equipment, as far as relevant for conformity assessment.
- 10.3 The technical documentation must contain all relevant data or means used by the manufacturer to ensure that the equipment complies with the essential requirements relating to it. It must also enable understanding of the design, manufacture and operation of the product and assessment of conformity with the relevant requirements.
- 10.4 The documentation shall contain so far as is relevant for assessment:
- 10.4.1 A general description of the equipment;
 - 10.4.2 Conceptual design and manufacturing drawings and schemes of components and relevant supporting drawings;
 - 10.4.3 Descriptions and explanations necessary for the understanding of the drawings and schemes including operation of the equipment;
 - 10.4.4 Results of design calculations made, impartial examinations carried out etc;
 - 10.4.5 Impartial test reports; and
 - 10.4.6 Manuals for installation, use and maintenance.
- 10.5 Where appropriate, the design documentation must contain the following elements:
- 10.5.1 Attestations relating to the equipment incorporated in the appliance;
 - 10.5.2 Attestations and certificates relating to the methods of manufacture and/or inspections and/or monitoring of the appliance; and
 - 10.5.3 Any other document making it possible for the nominated body to improve its assessment.

11. Assessment of type approval

- 11.1 On receipt of an application for type approval in accordance with paragraph 10 above, a nominated body must:
- 11.1.1 Examine the technical documentation and verify that the equipment has been manufactured in conformity with the technical documentation;
 - 11.1.2 Agree with the applicant the location where the examination and necessary tests are to be carried out; and

- 11.1.3 Perform or have performed the appropriate examination and necessary tests to check whether the relevant requirements specified in Annex 2 are complied with.
- 11.2 Type approval tests must be conducted at a laboratory accredited for such tests by the UKAS or equivalent national accreditation body. However, if no such laboratory is available, a laboratory recognised by the nominated body as offering suitable and satisfactory guarantee of technical and professional competence, quality procedures and autonomy with particular reference to the application of ISO/IEC 17025 (2017), as amended may be used.
- 11.3 Where the equipment meets the provisions of the relevant requirements specified in Annex 2 of this Notice and test and performance standards, the nominated body must issue a certificate of type approval to the applicant. The certificate must contain the name and address of the manufacturer, details of the equipment, conclusions of the examination, conditions for its validity and the necessary data for identification of the approved type.
- 11.4 A list of the relevant parts of the technical documentation including drawings and instructions must be annexed to the certificate and a copy kept by the nominated body.
- 11.5 If the manufacturer is refused a certificate of type approval, the nominated body must provide detailed reasons for such refusal in writing, to the applicant for type approval.
- 11.6 Where an application is rejected after completion of the type approval procedure, the manufacturer must modify the equipment to take account of the reasons for rejection before making a new submission to the nominated body. In the manufacturer's application to the nominated body they must include:
- 11.6.1 the original examination and test results;
 - 11.6.2 the detailed reasons provided by the nominated body for the previous refusal; and
 - 11.6.3 details of all modifications made to the equipment since the previous application.
- 11.7 Upon receipt of the re-submission of the application for type approval, the nominated body must re-open the approval procedure.
- 11.8 The applicant must inform the nominated body that holds the technical documentation concerning the certificate of type approval of all modifications to the approved product which must receive additional approval where such changes may affect the conformity with the requirements or the prescribed conditions for use of the equipment. This additional approval must be given in the form of an addition to the original certificate of type approval.

12. Issue of type approval

- 12.1 Providing that a nominated body is satisfied that the equipment complies in all respects with the requirements in Annex 2 of this Notice and any specifications laid down by the MCA and subject to the provisions below, the nominated body must issue a certificate of type approval stating the terms and conditions of approval and period of validity which must be up to 5 years.
- 12.2 A certificate of type approval refers only to equipment identical to that assessed. It is also a condition of issue of the certificate that a manufacturer must consult with the nominated body prior to any alteration to the approved standard of the equipment, hardware, software or firmware.

12.3 The nominated body may require further testing and assessment to be undertaken in the event of a modification, or series of modifications, being considered to constitute sufficient departure from the approved standard of the equipment hardware, software or firmware for which the certificate of type approval was originally issued.

12.4 The certificates of type approval and/or their additions and annexes to the certificates, technical documentation, other documentary evidence used to type approve the equipment must be kept at the disposal of the MCA and other nominated bodies for a period of not less than 10 years after the last product has been manufactured.

12.5 The manufacturer or his authorised representative shall keep with the technical documentation copies of certificates of type approval and their additions for a period of at least 10 years after the last product has been manufactured.

13. Nominated Bodies

13.1 Nominated Bodies are those bodies which have been designated by the Secretary of State to carry out type approval of equipment placed on board UK ships under regulation 4 of the Regulations. The designated UK nominated bodies are listed below along with the equipment types they are designated to approve.

<p>Bureau Veritas Bureau Veritas 206 Fort Dunlop Fort Parkway Birmingham B24 9FD</p> <p>Email: marineequipment.paris@bureauveritas.com</p>	<p>DNV UK Ltd Vivo Building 30 Stamford Street London SE1 9LQ Tel: 020 3816 4000</p> <p>Technical Manager for DNV UK Ltd Mark.Hayward@DNV.com MER Mailbox: UKMER@DNV.com</p>
<p>Lloyd's Register Global Technology Centre Hampshire House Hampshire Corporate Park Southampton SO53 3RY</p> <p>Tel: +44(0)330 414 0425 Email: TASS@lr.org</p>	<p>RINA Services S.p.A. North Wing, 1st Floor 2 Charlotte Place 29-31 Kingston Crescent Southampton SO14 0TB</p> <p>Tel: +44 (0)2380 332271 Email: southampton.office@rina.org</p>
<p>TUV SUD BAPT Unlimited Octagon House, Concorde Way, Segensworth North Fareham PO15 5RL Hampshire Tel: +44 (0)1489 558100 Email: babt@tuvsud.com</p>	

The nominated bodies listed in Column 1 of Table A below may undertake type approval of any of the categories of equipment listed in Column 2 of Table A.

The nominated bodies listed in Column 1 of Table B below may undertake type approval only of the categories of equipment listed in Column 2 of Table B.

Table A

Column 1	Column 2
Nominated Body	Equipment category
Bureau Veritas DNV UK Ltd Lloyds Register RINA Services S.p.A	Life-saving appliances Marine pollution prevention equipment Fire protection equipment Marine engineering equipment Crew accommodation equipment Equipment required under COLREG 72 Bulk carrier safety equipment SOLAS Chapter II-1 equipment

Table B

Column 1	Column 2
Nominated Body	Equipment category
TUV SUD BABT Unlimited	Navigation equipment Radiocommunication equipment Life-saving appliances (radar reflector for liferafts)

13.2 Each nominated body must provide upon request to the MCA and other nominated bodies the relevant information concerning the certificates of type approval and additions issued and withdrawn.

Part III – Other equipment standards

14. Scope of equipment standards and requirements

14.1 Equipment within this Part is equipment required by UK instruments and specified in Annex 3 of this Notice, but where no standard for such equipment is specified to provide an acceptable level of safety to domestic ships outside the scope of the international conventions. This equipment may not be of an approved type and in all cases must comply with the relevant standard specified in Annex 3 of this Notice.

15. Requirements for equipment

15.1 Equipment specified in Annex 3 of this Notice and placed on board a UK ship to which this Part applies in accordance with regulation 5(3) must meet the design, construction and performance requirements of the standards in Annex 3 valid at the time when that equipment is placed on board. Annex 3 of this Notice also sets out the ship type to which each specified standard is applicable.

More information

UK Technical Services Ship Standards
Maritime and Coastguard Agency
Bay 2/21
Spring Place
105 Commercial Road
Southampton
SO15 1EG

Telephone: +44 (0)203 81 72000

Email: MEQA@mcga.gov.uk

Website: www.gov.uk/mca

General enquiries: infoline@mcga.gov.uk

Please note that all addresses and telephone numbers are correct at time of publishing.

Published: 22 February 2024

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Annex 1

This annex sets out in full the design, construction and performance requirements and testing standards for marine equipment to which approval by an approved body is required in accordance with regulation 5.

The requirements below replace those in Merchant Shipping Notice 1874 (M+F) amendment 7.

General note: references to 'SOLAS' Regulations refer to the provisions of the International Convention for the Safety of Life at Sea, as amended.

List of acronyms used

A.1, Amendment 1 concerning Standard Documents other than IMO. A.2, Amendment 2 concerning Standard Documents other than IMO.

AC, Amending Corrigendum concerning Standard Documents other than IMO. CAT, Category for radar equipment as defined in section 1.3 of IEC 62388 Circ., Circular.

COLREG, Convention on the International Regulations for Preventing Collisions at Sea, 1972.

COMSAR, IMO's Sub-Committee on Radiocommunications and Search and Rescue. EN, European Standard.

ETSI, European Telecommunication Standardisation Institute. FSS, International Code for Fire Safety Systems.

FTP, International Code for Application of Fire Test Procedures. HSC, High Speed Craft Code.

IBC, International Bulk Chemical Code.

ICAO, International Civil Aviation Organization. IEC, International Electrotechnical Commission.

IGC, International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk.

IMO, International Maritime Organization.

ISO, International Organisation for Standardization. ITU, International Telecommunication Union.

LSA, Life saving appliance.

MARPOL, International Convention for the Prevention of Pollution from Ships "The Regulations" shall mean the Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/1025 as amended

MEPC, Marine Environment Protection Committee. MSC, IMO's Maritime Safety Committee.

NOx, Nitrogen Oxides.

O₂/HC systems: Oxygen Hydro Carbon systems.

SOLAS, International Convention for the Safety of Life at Sea, 1974. SOx, Sulphur Oxides.

Reg., Regulation

Res., Resolution.

Notes applicable to the whole of this Annex

(a) General: In addition to the testing standards specifically referred to in this Annex, type- examination (type approval) requires compliance with the applicable requirements of the international conventions and the relevant resolutions and

circulars of the IMO. Such compliance is referred to in the modules for conformity assessment in the Regulations.

- (b) Column 3: Where two sets of testing standards are separated by 'or', each set fulfils all the testing requirements to meet IMO Performance Standards; thus testing to one of those sets is sufficient to demonstrate compliance with the requirements of the relevant international instruments. On the contrary, when other separators (such as comma) are used all the listed references apply.
- (c) Column 6: In order to take into consideration timeframes for shipbuilding, depending on the characteristics of the specific marine equipment, the following meanings of 'placing on board' (indicated in brackets behind the dates) apply:
 - I : first installation of the equipment in its functional position on board a UK ship;
 - II : first installation of the equipment in its functional position or stowing in its functional position on board a UK ship;
 - III: delivery of the equipment to the shipyard if this takes place within 30 months before the first installation of the equipment in its functional position.
- (d) Where there are two rows for one marine equipment entry (e.g. UK/3.12), the second (lower) row contains the updated requirements of the international instruments in respect to the ones shown in the first (upper) row.
- (e) In the situations referred to in point (d) where no date is given in columns 5 and 6, this indicates that there has been no change in the testing standards and that the marine equipment item concerned shall comply with the requirements indicated in the (second) lower row.
- (f) Where there are three rows for one marine equipment entry (such as UK/3.51a), the third (lowest) row contains the updated requirements of the international instruments in respect to the ones shown in the first two (upper) rows.

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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1. Lifesaving appliances

UK/1.1 Lifebuoys Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/34 IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I IMO Res MSC.48(66) – (LSA Code) II IMO Res MSC 97(73) 2000 HSC Code 8 IMO MSC.1/Circ.1628	IMO Res MSC.81(70) as amended.	B + D B + E B + F		10.10.2026 (II)
UK/1.1 Lifebuoys Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/34 IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I IMO Res MSC.48(66) – (LSA Code) II IMO Res MSC 97(73) 2000 HSC Code 8 IMO Res MSC.481(102) IMO MSC.1/Circ.1628/Rev.1	IMO Res MSC.81(70) as amended. IMO Res. MSC.481(102)	B + D B + E B + F	21.03.2024	
UK/1.2a Position-indicating lights for	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D	13.09.2019	12.08.2023

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
life saving appliances: for Survival craft and rescue boats. Row 1 of 3	SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8	EN 60945:2002 incl. IEC 60945 corr. 1:2008 Or: IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008	B+E B+F		(II)
UK/1.2a Position-indicating lights for life saving appliances: for Survival craft and rescue boats. Row 2 of 3 (Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70) Clause 10.4 shall be carried out.)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.1/Circ.1628	IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005 Or: IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005	B+D B+E B+F	12.08.2020	
UK/1.2a Position-indicating lights for life saving appliances: for Survival craft and rescue	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
boats. Row 3 of 3 (Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70) Clause 10.4 shall be carried out.) (NEW ROW)	Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.1/Circ.1628/Rev.1	Or: IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005			
UK/1.2b Position-indicating lights for life saving appliances: for Lifebuoys. Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8	IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN 60945:2002 incl IEC 60945 Corr.1:2008 Or: IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008	B+D B+E B+F	13.09.2019	12.08.2023 (II)
UK/1.2b Position-indicating lights for	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>life saving appliances: for Lifebuoys.</p> <p>Row 2 of 2</p> <p>(Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70) Clause 10.4 shall be carried out.)</p>	<p>SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628</p>	<p>EN 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005</p> <p>Or:</p> <p>IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005</p>	<p>B+E B+F</p>	<p>12.08.2020</p>	
<p>UK/1.2b</p> <p>Position-indicating lights for life saving appliances: for Lifebuoys.</p> <p>Row 3 of 3</p> <p>(Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to at IMO Res. MSC 81(70) Clause 10.4 shall be carried out.)</p> <p>(NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8</p>	<p>IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005</p> <p>Or:</p> <p>IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO MSC.1/Circ.1628/Rev.1				
UK/1.2c Position-indicating lights for life saving appliances: for Lifejackets Row 1 of 3	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/26 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8	IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008 Or: IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008	B+D B+E B+F	13.09.2019	12.08.2023 (II)
UK/1.2c Position-indicating lights for life saving appliances: for	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008	B+D B+E B+F	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>lifejackets Row 2 of 3</p> <p>(Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to in IMO Res. MSC 81(70), clause 10.4 shall be carried out.)</p>	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/26 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628</p>	<p>ISO 24408:2005</p> <p>Or:</p> <p>IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008</p> <p>ISO 24408:2005</p>			
<p>UK/1.2c</p> <p>Position-indicating lights for life saving appliances: for lifejackets</p> <p>Row 3 of 3</p> <p>(Note: EN 60945's and IEC 60945's Electromagnetic Compatibility tests are excluded and only those referred to in IMO Res. MSC 81(70), clause 10.4 shall be carried out.)</p> <p>(NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/26 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II</p>	<p>IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 corr. 1:2008 ISO 24408:2005</p> <p>Or:</p> <p>IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 corr. 1:2008</p> <p>ISO 24408:2005</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628/Rev.1				
UK/1.3 Lifebuoys self-activating smoke signals Row 1 of 3	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8	IMO Res MSC.81(70) as amended.	B+D B+E B+F		12.08.2023 (II)
UK/1.3 Lifebuoys self-activating smoke signals	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. ISO 15376:2006	B+D B+E B+F	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 2 of 3	Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628				
UK/1.3 Lifebuoys self-activating smoke signals Row 3 of 3 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628/Rev.1	IMO Res MSC.81(70) as amended. ISO 15376:2006	B+D B+E B+F	21.03.2024	
UK/1.4	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D		10.10.2026

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Lifejackets Row 1 of 2	<p>SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7, SOLAS 74 Reg III/22, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) II, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC/Circ.922, IMO MSC.1/Circ.1304, IMO MSC.1/Circ.1470 IMO MSC.1/Circ.1628.</p>		B+E B+F		(II)
UK/1.4 Lifejackets Row 2 of 2 (NEW ROW)	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.481(102) IMO MSC/Circ.922 IMO MSC.1/Circ.1304 IMO MSC.1/Circ.1470 IMO MSC.1/Circ.1628/Rev.1</p>	IMO Res MSC.81(70) as amended. IMO Res MSC.481(102)	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/1.5a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>Immersion suit without inherent insulation.</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628</p>	IMO Res MSC.81(70) as amended.	B+D B+E B+F		10.10.2026 (II)
<p>UK/1.5a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket:</p> <p>Immersion suit without inherent insulation.</p> <p>Row 2 of 2 (NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.481(102)</p>	IMO Res MSC.81(70) as amended. IMO Res MSC.481(102)	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1				
<p>UK/1.5b Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: Immersion suit with inherent insulation Row 1 of 2</p>	<p>Type Approval requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage and performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628</p>	IMO Res MSC.81(70) as amended.	B+D B+E B+F		10.10.2026 (II)
<p>UK/1.5b Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: Immersion suit with inherent insulation Row 2 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Type Approval Requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32</p>	IMO Res MSC.81(70) as amended. IMO Res MSC.481(102)	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
(NEW ROW)	SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1				
<p>UK/1.5c Immersion suits and anti-exposure suits designed to be worn in conjunction WITH a lifejacket: Anti-exposure suits Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628</p>	IMO Res MSC.81(70) as amended.	B+D B+E B+F		10.10.2026 (II)
<p>UK/1.5c Immersion suits and anti-exposure suits designed to</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p>	IMO Res MSC.81(70) as amended.	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
be worn in conjunction WITH a lifejacket: Anti-exposure suits Row 2 of 2 (NEW ROW)	Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1	IMO Res. MSC.481(102)			
UK/1.6a Immersion suits and anti-exposure suits designed to be worn in conjunction WITHOUT a lifejacket: Immersion suit without inherent insulation Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046	IMO Res MSC.81(70) as amended.	B+D B+E B+F		10.10.2026 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/1.6a</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITHOUT a lifejacket:</p> <p>Immersion suit without inherent insulation</p> <p>Row 2 of 2 (NEW ROW)</p>	<p>IMO MSC.1/Circ.1628</p> <p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1</p>	<p>IMO Res MSC.81(70) as amended</p> <p>IMO Res MSC.481(102)</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	
<p>UK/1.6b</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITHOUT a lifejacket:</p> <p>Immersion suit without inherent insulation</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II</p>	<p>IMO Res MSC.81(70) as amended.</p>	<p>B+D B+E B+F</p>		<p>10.10.2026 (II)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628				
<p>UK/1.6b</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITHOUT a lifejacket:</p> <p>Immersion suit without inherent insulation</p> <p>Row 2 of 2</p> <p>(NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1</p>	<p>IMO Res MSC.81(70) as amended.</p> <p>IMO Res MSC.481(102)</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	
<p>UK/1.6c</p> <p>Immersion suits and anti-exposure suits designed to be worn in conjunction WITHOUT a lifejacket:</p> <p>Anti-exposure suit</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32</p>	<p>IMO Res MSC.81(70) as amended.</p>	<p>B+D B+E B+F</p>		<p>10.10.2026 (II)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628						
UK/1.6c Immersion suits and anti-exposure suits designed to be worn in conjunction WITHOUT a lifejacket: Anti-exposure suit Row 2 of 2 (NEW ROW)	<table border="1"> <tr> <td data-bbox="548 603 1075 783"> Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 </td> <td data-bbox="548 783 1075 1246"> Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1	IMO Res MSC.81(70) as amended IMO Res. MSC.481(102)	B+D B+E B+F	21.03.2024	
Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/7 SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC.481(102) IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1						
UK/1.7	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Thermal protective aids Row 1 of 2	SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628		B+E B+F		
UK/1.7 Thermal protective aids Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/22 SOLAS 74 Reg III/32 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.1046 IMO MSC.1/Circ.1628/Rev.1	IMO Res MSC.81(70) as amended.	B+D B+E B+F	21.03.2024	
UK/1.8	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F		12.08.2023 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Rocket Parachute flares (pyrotechnics) Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg III/6 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8				
UK/1.8 Rocket Parachute flares (pyrotechnics) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/6 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) II IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1629	IMO Res MSC.81(70) as amended. ISO 15736:2006	B+D B+E B+F	12.08.2020 (II)	
UK/1.9 Hand flares (pyrotechnics) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) III IMO Res MSC.97(73) (2000 HSC Code) 8	IMO Res MSC.81(70) as amended.	B+D B+E B+F		12.08.2023 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/1.9 Hand flares (pyrotechnics) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) III IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1629	IMO Res MSC.81(70) as amended. ISO 15736:2006	B+D B+E B+F	12.08.2020	
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UK/1.10 Buoyant smoke signals (pyrotechnics) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) III	IMO Res MSC.81(70) as amended.	B+D B+E B+F		12.08.2023 (II)
UK/1.10 Buoyant smoke signals (pyrotechnics) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) III IMO MSC.1/Circ.1629	IMO Res MSC.81(70) as amended. ISO 15736:2006	B+D B+E B+F	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/1.11 Line throwing appliances Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F		12.08.2023 (II)
	Carriage & Performance requirements SOLAS 74 Reg III/18 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VII IMO Res MSC.97(73) (2000 HSC Code) 8				
UK/1.11 Line throwing appliances Row 2 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. ISO 15736:2006	B+D B+E B+F	12.08.2020	
	Carriage & Performance requirements SOLAS 74 Reg III/18 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VII IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1633				

UK/1.12 Inflatable liferafts	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. And for extended service intervals:	B+D B+E B+F		10.10.2026 (II)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg III/13 SOLAS 74 Reg III/21 SOLAS 74 Reg III/26 SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630	IMO MSC.1/Circ.1328.			
UK/1.12 Inflatable liferafts Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/13 SOLAS 74 Reg III/21 SOLAS 74 Reg III/26 SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102) And for extended service intervals: IMO MSC.1/Circ.1328.	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO Res.481(102) IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630/Rev.2				
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UK/1.13 Rigid liferafts Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/21 SOLAS 74 Reg III/26 SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1630	IMO Res MSC.81(70) as amended.	B+D B+E B+F		10.10.2026 (II)
UK/1.13 Rigid liferafts Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/21 SOLAS 74 Reg III/26	IMO Res MSC.81(70) as amended IMO Res MSC 481(102)	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.481(102) IMO MSC.1/Circ.1630/Rev.2						
UK/1.14a Automatically self-righting liferafts: Inflatable Row 1 of 2	<table border="1"> <tr> <td data-bbox="546 708 1072 836"> Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 </td> <td data-bbox="546 836 1072 1294"> Carriage & Performance requirements SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC/Circ.809, IMO MSC/Circ.811, IMO MSC.1/Circ.1328, IMO MSC.1/Circ.1630. </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC/Circ.809, IMO MSC/Circ.811, IMO MSC.1/Circ.1328, IMO MSC.1/Circ.1630.	IMO Res MSC.81(70) as amended. And for extended service intervals: IMO MSC.1/Circ.1328	B+D B+E B+F		10.10.2026 (II)
Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC/Circ.809, IMO MSC/Circ.811, IMO MSC.1/Circ.1328, IMO MSC.1/Circ.1630.						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/1.14a Automatically self-righting liferafts: Inflatable Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102) And for extended service intervals: IMO MSC.1/Circ.1328	B+D B+E B+F	21.03.2024	
	Carriage & Performance requirements SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC/Circ.809, IMO MSC/Circ.811, IMO MSC.1/Circ.1328, IMO MSC.1/Circ.1630/Rev.2				

UK/1.14b Automatically self-righting liferafts: Rigid Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F		10.10.2026 (II)
	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.809 IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630						
UK/1.14b Automatically self-righting liferafts: Rigid Row 2 of 2 (NEW ROW)	<table border="1"> <tr> <td data-bbox="548 616 1075 805"> Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 </td> <td data-bbox="548 805 1075 1265"> Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC 481(102) IMO MSC/Circ.809 IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630/Rev.2 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC 481(102) IMO MSC/Circ.809 IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630/Rev.2	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102).	B+D B+E B+F	21.03.2024	
Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res. MSC 481(102) IMO MSC/Circ.809 IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630/Rev.2						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/1.15 Canopied reversible liferafts Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC/Circ.809 IMO MSC/Circ.811 IMO MSC.1/Circ.1328 IMO MSC.1/Circ.1630</p>	<p>IMO Res MSC.81(70) as amended. And for extended service intervals: IMO MSC.1/Circ.1328</p>	<p>B+D B+E B+F</p>		<p>10.10.2026 (II)</p>
<p>UK/1.15 Canopied reversible liferafts Row 2 of 2 (NEW ROW)</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV,</p>	<p>IMO Res MSC.81(70) as amended, IMO Res. MSC 481(102). And for extended service intervals: IMO MSC.1/Circ.1328</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC/Circ.809, IMO MSC/Circ.811, IMO MSC.1/Circ.1328, IMO MSC.1/Circ.1630/Rev.2				
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UK/1.16 Float-free arrangements for liferafts (hydrostatic release units)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F		
	Carriage & Performance requirements SOLAS 74 Reg III/13, SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC/Circ.811, IMO MSC.1/Circ.1630.				

UK/1.17a Lifeboats	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006	B+D B+F G		10.10.2026 (II)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Davit-launched lifeboats: - Partially enclosed - Totally enclosed Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg III/21 SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) IV IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1423 IMO MSC.1/Circ.1630				
UK/1.17a Lifeboats Davit-launched lifeboats: - Partially enclosed - Totally enclosed Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res MSC 481(102), IMO MSC.1/Circ.1423, IMO MSC.1/Circ.1630/Rev.2	IMO Res MSC.81(70) as amended, IMO Res MSC.481(102), IMO MSC/Circ.1006	B+D B+F G	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/1.17b Lifeboats Free-fall lifeboats Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1423, IMO MSC.1/Circ.1630.</p>	<p>IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006</p>	<p>B+D B+F G</p>		<p>10.10.2026 (II)</p>
<p>UK/1.17b Lifeboats Free-fall lifeboats Row 2 of 2 (NEW ROW)</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I,</p>	<p>IMO Res MSC.81(70) as amended, IMO Res. MSC 481(102) IMO MSC/Circ.1006</p>	<p>B+D B+F G</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC 481(102), IMO MSC.1/Circ.1423, IMO MSC.1/Circ.1630/Rev.2.				
<p>UK/1.17c</p> <p>Davit-launched liferafts used as a rescue boat</p> <ul style="list-style-type: none"> - Partially enclosed - Totally enclosed <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.48(66) (LSA Code) V, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1423, IMO MSC.1/Circ.1630, IMO MSC.1/Circ.1631.</p>	IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006	B+D B+F G	29.03.2023	10.10.2026 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/1.17c Davit-launched liferafts used as a rescue boat</p> <ul style="list-style-type: none"> - Partially enclosed - Totally enclosed <p>Row 2 of 2 (NEW ROW)</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.48(66) (LSA Code) V, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC.1/Circ.1423, IMO MSC.1/Circ.1630/Rev.2 IMO MSC.1/Circ.1631/Rev.1</p>	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102), IMO MSC/Circ.1006.	B+D B+F G	21.03.2024	
<p>UK/1.18 Rigid rescue boats</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31,</p>	IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006	B+D B+F G		10.10.2026 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) V, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1631.				
UK/1.18 Rigid rescue boats Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) V, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC.1/Circ.1631/Rev.1.	IMO Res MSC.81(70) as amended, IMO Res MSC.481(102), IMO MSC/Circ.1006	B+D B+F G	21.03.2024	
UK/1.19 Inflated rescue boats	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended. ISO 15372:2000	B+D B+E B+F		10.10.2026 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) V, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1631.				
UK/1.19 Inflated rescue boats Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/21, SOLAS 74 Reg III/31, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) V, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC.1/Circ.1631/Rev.1	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102) ISO 15372:2000	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/1.20a Fast rescue boat: Inflated Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO MSC/Circ.1016 IMO MSC/Circ.1094 IMO MSC.1/Circ.1631	IMO Res MSC.81(70) as amended. ISO 15372:2000	B+D B+F G		10.10.2026 (II)
UK/1.20a Fast rescue boat: Inflated Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO Res. MSC 481(102) IMO MSC/Circ.1016 IMO MSC/Circ.1094 IMO MSC.1/Circ.1631/Rev.1	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102), ISO 15372:2000	B+D B+F G	21.03.2024	

UK/1.20b	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006	B+D B+F		10.10.2026
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Fast rescue boat: Rigid Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO MSC/Circ.1016 IMO MSC/Circ.1094 IMO MSC.1/Circ.1631		G		(II)
UK/1.20b Fast rescue boat: Rigid Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO Res. MSC.481(102) IMO MSC/Circ.1016 IMO MSC/Circ.1094 IMO MSC.1/Circ.1631/Rev.1.	IMO Res MSC.81(70) as amended, IMO Res. MSC.481(102) IMO MSC/Circ.1006	B+D B+F G	21.03.2024	
UK/1.20c	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006	B+D B+F		10.10.2026

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Fast rescue boats: Rigid-inflatable Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO MSC/Circ.1016 IMO MSC/Circ.1094 IMO MSC.1/Circ.1631	ISO 15372:2000	G		(II)
UK/1.20c Fast rescue boats: Rigid-inflatable Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO Res MSC.481(102) IMO MSC/Circ.1016 IMO MSC/Circ.1094 IMO MSC.1/Circ.1631/Rev.1	IMO Res MSC.81(70) as amended IMO Res. MSC.481(102) IMO MSC/Circ.1006 ISO 15372:2000	B+D B+F G	21.03.2024	
UK/1.21	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Launching appliances using falls (davits) Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg III/23 SOLAS 74 Reg III/33 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VI IMO Res MSC.97(73) 2000 HSC Code 8 IMO MSC.1/Circ.1632		G		
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Item UK/1.22, Float-free launching appliances for survival craft – moved to UK/9/1.3

UK/1.23 Launching appliances for free-fall lifeboats Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/23, SOLAS 74 Reg III/33, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1632.	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/1.24 Liferaft launching appliances (Davits) Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		
	Carriage & Performance requirements SOLAS 74 Reg III/12, SOLAS 74 Reg III/16, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1632.				

UK/1.25 Fast rescue boat launching appliances (Davits) Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		
	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VI IMO MSC.1/Circ.1632				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/1.26a UK/1.26b Release mechanism for: Lifeboats and rescue boats (Inflated, launched by falls or falls) Row 1 of 1 Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D		
	Type Approval Requirements SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) IMO Res MSC.36(63) (1994 HSC Code) IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) IMO MSC.1/Circ.1419, IMO MSC.1/Circ.1630.	IMO Res MSC.81(70) as amended.	B+D B+E B+F B+F		

UK/1.26c Release mechanism for: Free fall lifeboats Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F		
	Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8,				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO MSC.1/Circ.1630.				
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UK/1.27 Marine evacuation systems Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+F G		
	Carriage & Performance requirements SOLAS 74 Reg III/15, SOLAS 74 Reg III/26, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) IV, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1632.				

UK/1.28 Means of rescue Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4	IMO Res MSC.81(70) as amended.	B+D B+F		
	Carriage & Performance requirements SOLAS 74 Reg III/26 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VI IMO MSC.1/Circ.1632				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
UK/1.29 Embarkation ladders Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg III/11 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/11 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VI IMO Res MSC.97(73) (2000 HSC Code) IMO MSC.1/Circ.1285 IMO MSC.1/Circ.1630	IMO Res MSC.81(70) as amended. ISO 5489:2008	B+D B+E B+F		
UK/1.30 Retro-reflective materials Row 1 of 3	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.97(73) (2000 HSC Code) 8	IMO Res.A.658(16) as amended.	B+D B+E B+F		15.08.2025
UK/1.30 Retro-reflective materials	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements	IMO Res.MSC.481(102)	B+D B+E B+F	29.03.2023	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Row 2 of 3	SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628				
UK/1.30 Retro-reflective materials Row 3 of 3 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.97(73) (2000 HSC Code) 8 IMO MSC.1/Circ.1628/Rev.1	IMO Res.MSC.481(102)	B+D B+E B+F	21.03.2024	

Item UK/1.31, Survival craft two-way VHF radio telephone apparatus – moved to UK/5.17 and UK/5.18

Item UK/1.32, 9GHz SAR transponder (SART) – moved to UK/4.18

UK/1.33 Radar reflector for lifeboats and rescue boats (passive) Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg. III/34,	EN ISO 8729:1998 EN 60945:2002 incl. 60945 corr. 1:2008 Or: EN ISO 8729:1998	B+D B+E B+F		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO Res.A.384(X), IMO Res.MSC.36(63) (1994 HSC Code) 8 IMO Res.MSC.48(66) LSA Code I IMO Res.MSC.48(66) LSA Code IV IMO Res.MSC.48(66) LSA Code V IMO Res.MSC.97(73) (2000 HSC Code) 8 IMO Res.MSC.164(78)	IEC 60945:2002 incl. IEC 60945 corr.1:2008 Or: ISO 8729-1:2010 EN 60945:2002 incl. IEC 60945 Corr.1:2008 Or: ISO 8729-1:2010 IEC 60945:2002 incl. IEC Corr.1:2008			
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Item UK/1.34, Magnetic compass Class B for lifeboats and rescue boats – moved to UK/4.23

Item UK/1.35, Portable fire extinguishing equipment for lifeboats and rescue boats – moved to UK/4.23

UK/1.36 Lifeboat/rescue boat propulsion engine Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg. III/34, IMO Res.MSC.48(66) (LSA Code) IV IMO Res.MSC.48(66) (LSA Code) V IMO MSC.1/Circ.1630	IMO Res.MSC.81(70) as amended.	B+D B+E B+F		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
UK/1.37 Rescue boat propulsion engine Outboard motor Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg. III/34 IMO Res.MSC.48(66) (LSA Code) V IMO MSC.1/Circ.1631	IMO Res MSC.81(70) as amended.	B+D B+E B+F		
UK/1.38 Searchlights for use in lifeboats and rescue boats Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg. III/34, IMO Res.MSC.36(63) (1994 HSC Code) 8, IMO Res.MSC.48(66) (LSA Code) I, IMO Res.MSC.48(66) (LSA Code) IV, IMO Res.MSC.48(66) (LSA Code) V, IMO Res. MSC.97(73) (2000 HSC Code) 8.	IMO Res MSC.81(70) as amended.	B+D B+E B+F		13.09.2022 (II)
UK/1.38 Searchlights for use in lifeboats and rescue boats Row 2 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg. III/34, IMO Res.MSC.36(63) (1994 HSC Code) 8, IMO Res.MSC.48(66) (LSA Code) I, IMO Res.MSC.48(66) (LSA Code) IV, IMO Res.MSC.48(66) (LSA Code) V,	IMO Res MSC.81(70) as amended. EN 60945:2002 incl. IEC 60945 Corr.1:2008 Or: IMO Res MSC.81(70) as amended. IEC 60945:2002 incl. IEC 60945 Corr.1:2008	B+D B+E B+F	13.09.2019	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res. MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1630.				
UK/1.39 Open reversible liferafts Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements IMO Res.MSC.36(63) (1994 HSC Code) 8, IMO Res.MSC.36(63) (1994 HSC Code) Annex 10, IMO Res.MSC.48(66) (LSA Code) I, IMO Res. MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.97(73) (2000 HSC Code) Annex 11, IMO MSC.1/Circ.1328.	IMO Res MSC.36(63) (1994 HSC Code) Annex 10 IMO Res MSC.97(73) (2000 HSC Code) Annex 11 And for extended service intervals IMO MSC.1/Circ.1328	B+D B+F		10.10.2026 (II)
UK/1.39 Open reversible liferafts Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements IMO Res.MSC.36(63) (1994 HSC Code) 8, IMO Res.MSC.36(63) (1994 HSC Code) Annex 10, IMO Res.MSC.48(66) (LSA Code) I, IMO Res. MSC.97(73) (2000 HSC Code) 8, IMO Res. MSC.97(73) (2000 HSC Code) Annex 11, IMO Res MSC.481(102)	IMO Res MSC.36(63) (1994 HSC Code) Annex 10, IMO Res MSC.97(73) (2000 HSC Code) Annex 11, IMO Res MSC.481(102). And for extended service intervals IMO MSC.1/Circ.1328	B+D B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO MSC.1/Circ.1328.				
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Item UK/1.40, Mechanical pilot hoist – moved to UK/4.48

UK/1.41a Winches for survival craft and rescue boats: Davit launched lifeboats Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		
	Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/23, SOLAS 74 Reg III/24, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.1632.				

UK/1.41b Winches for survival craft and rescue boats: Free-fall lifeboats Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		
	Carriage & Performance requirements				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	SOLAS 74 Reg III/16 SOLAS 74 Reg III/23 SOLAS 74 Reg III/24 SOLAS 74 Reg III/34 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) VI IMO MSC.1/Circ.1632						
UK/1.41c Winches for survival craft and rescue boats: Liferafts Row 1 of 1	<table border="1"> <tr> <td data-bbox="557 584 1055 710"> Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 </td> <td data-bbox="557 710 1055 1174"> Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/17, SOLAS 74 Reg III/23, SOLAS 74 Reg III/24, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO MSC.1/Circ.1632. </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/17, SOLAS 74 Reg III/23, SOLAS 74 Reg III/24, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO MSC.1/Circ.1632.	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		
Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/17, SOLAS 74 Reg III/23, SOLAS 74 Reg III/24, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO MSC.1/Circ.1632.						
UK/1.41d	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	IMO Res MSC.81(70) as amended.	B+D B+E B+F				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Winches for survival craft and rescue boats: Rescue boats Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/17, SOLAS 74 Reg III/23, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO MSC.1/Circ.1632.		G		
UK/1.41e Winches for survival craft and rescue boats: Fast rescue boats Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/16, SOLAS 74 Reg III/17, SOLAS 74 Reg III/23, SOLAS 74 Reg III/34, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO Res MSC.48(66) (LSA Code) I, IMO Res MSC.48(66) (LSA Code) VI, IMO MSC.1/Circ.1632.	IMO Res MSC.81(70) as amended.	B+D B+E B+F G		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/1.42, Pilot ladder – moved to UK/4.49

<p>UK/1.43 Rigid inflatable rescue boats Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/21 SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V</p>	<p>IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006 ISO 15372:2000</p>	<p>B+D B+F G</p>		<p>15.08.2025 (II)</p>
<p>UK/1.43 Rigid inflatable rescue boats Row 2 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg III/21 SOLAS 74 Reg III/31 SOLAS 74 Reg III/34 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) (LSA Code) V IMO MSC.1/Cic.1631</p>	<p>IMO Res MSC.81(70) as amended. IMO MSC/Circ.1006 ISO 15372:2000 + A1:2021</p>	<p>B+D B+F G</p>	<p>29.03.2023</p>	

<p>UK/1.44a</p>	<p>Type Approval Requirements SOLAS 74 Reg III/4</p>	<p>EN 50695:2021</p>	<p>B+D</p>	<p>29.03.2023</p>	
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Public Address and General Alarm systems (PAGA)</p> <ul style="list-style-type: none"> - Control and distribution system (when used as fire alarm device UK/3.53 shall apply) <p>Ship:</p> <ul style="list-style-type: none"> - Cargo ship - Passenger ship (excluding safe return to port) - Passenger ship (including safe return to port) <p>Systems:</p> <ul style="list-style-type: none"> - General Alarm (GA) systems - Public Address (PA) systems - Public Address and General Alarm (PAGA) systems <p>New item inserted by MSN 1874 amendment 7 (moved from UK/9/1.5)</p> <p>Row 1 of 1</p>	<p>SOLAS 74 Reg X/3 IMO Res MSC.36(63) (1994 HSC Code) 4 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.97(73) (2000 HSC Code) 4 IMO Res MSC.97(73) (2000 HSC Code) 8</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/12 SOLAS 74 Reg II-2/21 SOLAS 74 Reg II-2/22 SOLAS 74 Reg III/6 IMO Res A.1021(26) 5 IMO Res 48(66) (LSA Code) VII IMO Res MSC.36(63) (1994 HSC Code) 4 IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.97(73) (2000 HSC Code) 4 IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.302(87) IMO MSC.1/Circ.808 IMO MSC.1/Circ.1369/Add.1</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN 61162-450:2018 EN IEC 62288:2022 EN 62923-1:2018 EN 62923-2:2018</p> <p>Or:</p> <p>EN 50695:2021 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+E B+F G</p>		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/1.44b</p> <p>Public Address and General Alarm systems (PAGA)</p> <p>Speakers (when used as fire alarm device item UK/3.53 shall apply)</p> <p>Note: The certificate shall specify for which of the following categories of ship and systems the equipment is suitable:</p> <p>Ship:</p> <ul style="list-style-type: none"> - Cargo ship - Passenger ship (excluding safe return to port) - Passenger ship (including safe return to port) <p>Systems:</p> <ul style="list-style-type: none"> - General Alarm (GA) systems - Public Address (PA) systems 	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4, SOLAS 74 Reg X/3, IMO Res MSC.36(63) (1994 HSC Code) 4, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 4, IMO Res MSC.97(73) (2000 HSC Code) 8.</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/12, SOLAS 74 Reg II-2/21, SOLAS 74 Reg II-2/22, SOLAS 74 Reg III/6, IMO Res A.1021(26) 5, IMO Res 48(66) (LSA Code) VII, IMO Res MSC.36(63) (1994 HSC Code) 4, IMO Res MSC.36(63) (1994 HSC Code) 8, IMO Res MSC.97(73) (2000 HSC Code) 4, IMO Res MSC.97(73) (2000 HSC Code) 8, IMO MSC.1/Circ.808, IMO MSC.1/Circ.1369/Add.1.</p>	<p>EN 50695:2021</p> <p>EN 60945:2002 incl. IEC 60945 Corr.1:2008</p> <p>Or:</p> <p>EN 50695:2021</p> <p>IEC 60945:2002 incl. IEC 60945 Corr.1:2008</p>	<p>B+D B+E B+F G</p>	<p>29.03.2023</p>	
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
New item inserted by MSN 1874 amendment 7 (moved from UK/9/1.5) Row 1 of 1					

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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2. Marine pollution prevention

UK/2.1 Oil-filtering equipment (for an oil content of the effluent not exceeding 15ppm) Row 1 of 1	Type Approval Requirements MARPOL 73/78 Annex I, Reg 14	IMO Res MEPC.107(49), as amended IMO MEPC.1/Circ.643	B+D B+E B+F		
	Carriage & Performance requirements MARPOL 73/78 Annex I, Reg 14 IMO MEPC.1/Circ.643				

UK/2.2 Oil water interface detectors Row 1 of 1	Type Approval Requirements MARPOL 73/78 Annex I, Reg 32	IMO Res MEPC.5(XIII)	B+D B+E B+F		
	Carriage & Performance requirements MARPOL 73/78 Annex I, Reg 32				

UK/2.3 Oil Content meters Row 1 of 1	Type Approval Requirements MARPOL 73/78 Annex I, Reg 14	IMO Res MEPC.107(49), as amended IMO MEPC.1/Circ.643	B+D B+E B+F		
	Carriage & Performance requirements MARPOL 73/78 Annex I, Reg 14 IMO MEPC.1/Circ.643				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/2.4, Process units intended for attachment to existing oil/water separating equipment (for an oil content of the effluent not exceeding 15ppm) has been deliberately left blank

UK/2.5 Oil discharge monitoring and control system for oil tankers Row 1 of 2	Type Approval Requirements MARPOL 73/78 Annex I, Reg 31 IMO MEPC.1/Circ.858 <hr/> Carriage & Performance requirements MARPOL 73/78 Annex I, Reg 31	IMO Res MEPC.108(49), as amended,	B+D B+E B+F		
UK/2.5 Oil discharge monitoring and control system for oil tankers Row 2 of 2	Type Approval Requirements MARPOL 73/78 Annex I, Reg 31 IMO MEPC.1/Circ.858 <hr/> Carriage & Performance requirements MARPOL 73/78 Annex I, Reg 31	IMO Res MEPC.108(49), as amended, IMO Res. MEPC.240(65) – Annex – Revised Guidelines and Specifications for Oil Discharge Monitoring and Control Systems for Tankers	B+D B+E B+F	21.03.2024	

UK/2.6a Sewage systems (for use by passenger ships in all areas including a MARPOL Annex IV special area)	Type Approval Requirements MARPOL 73/78 Annex IV, Reg 9 <hr/> Carriage & Performance requirements MARPOL 73/78 Annex IV, Reg 9	IMO Res MEPC.227(64), including section 4.2	B+D B+E B+F G	16.03.2017	
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board				
Row 1 of 1									
UK/2.6b Sewage systems (for use by ships, other than passenger ships in all areas and by passenger ships outside MARPOL Annex IV special areas) Row 1 of 1	<table border="1"> <tr> <td data-bbox="548 416 1055 512"> Type Approval Requirements MARPOL 73/78 Annex IV, Reg 9 </td> <td data-bbox="1055 416 1529 743" rowspan="2"> IMO Res MEPC.227(64), not including section 4.2 </td> </tr> <tr> <td data-bbox="548 512 1055 743"> Carriage & Performance requirements MARPOL 73/78 Annex IV, Reg 9 </td> </tr> </table>	Type Approval Requirements MARPOL 73/78 Annex IV, Reg 9	IMO Res MEPC.227(64), not including section 4.2	Carriage & Performance requirements MARPOL 73/78 Annex IV, Reg 9	<table border="1"> <tr> <td data-bbox="1055 416 1529 743"> B+D B+E B+F G </td> <td data-bbox="1529 416 1733 743" rowspan="2"> 16.03.2017 </td> <td data-bbox="1733 416 1901 743" rowspan="2"></td> <td data-bbox="1901 416 2067 743" rowspan="2"></td> </tr> </table>	B+D B+E B+F G	16.03.2017		
Type Approval Requirements MARPOL 73/78 Annex IV, Reg 9	IMO Res MEPC.227(64), not including section 4.2								
Carriage & Performance requirements MARPOL 73/78 Annex IV, Reg 9									
B+D B+E B+F G	16.03.2017								
UK/2.7 Shipboard incinerators (incinerator plants with capacities up to 4000kW) Row 1 of 1				<table border="1"> <tr> <td data-bbox="548 802 1055 898"> Type Approval Requirements MARPOL 73/78 Annex VI, Reg 16 </td> <td data-bbox="1055 802 1529 1038" rowspan="2"> IMO Res MEPC.244(66) </td> </tr> <tr> <td data-bbox="548 898 1055 1038"> Carriage & Performance requirements MARPOL 73/78 Annex VI, Reg 16 </td> </tr> </table>	Type Approval Requirements MARPOL 73/78 Annex VI, Reg 16	IMO Res MEPC.244(66)	Carriage & Performance requirements MARPOL 73/78 Annex VI, Reg 16	<table border="1"> <tr> <td data-bbox="1055 802 1529 1038"> B+D B+E B+F G </td> <td data-bbox="1529 802 1733 1038" rowspan="2"> 16.03.2017 </td> <td data-bbox="1733 802 1901 1038" rowspan="2"></td> <td data-bbox="1901 802 2067 1038" rowspan="2"></td> </tr> </table>	B+D B+E B+F G
Type Approval Requirements MARPOL 73/78 Annex VI, Reg 16	IMO Res MEPC.244(66)								
Carriage & Performance requirements MARPOL 73/78 Annex VI, Reg 16									
B+D B+E B+F G	16.03.2017								
UK/2.8 NOx analyser permanently placed on board and for use on board as per NOx Technical Code 2008 Row 1 of 1				<table border="1"> <tr> <td data-bbox="548 1098 1055 1225"> Type Approval Requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI Reg 13). </td> <td data-bbox="1055 1098 1529 1375" rowspan="2"> IMO Res MEPC.177(58) NOx Technical Code 2008, as amended </td> </tr> <tr> <td data-bbox="548 1225 1055 1375"> Carriage & Performance requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI Reg 13), </td> </tr> </table>	Type Approval Requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI Reg 13).	IMO Res MEPC.177(58) NOx Technical Code 2008, as amended	Carriage & Performance requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI Reg 13),	<table border="1"> <tr> <td data-bbox="1055 1098 1529 1375"> B+D B+E B+F G </td> <td data-bbox="1529 1098 1733 1375"></td> <td data-bbox="1733 1098 1901 1375"></td> <td data-bbox="1901 1098 2067 1375"></td> </tr> </table>	B+D B+E B+F G
Type Approval Requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI Reg 13).	IMO Res MEPC.177(58) NOx Technical Code 2008, as amended								
Carriage & Performance requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI Reg 13),									
B+D B+E B+F G									

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO Res MEPC.177(58) (NOx Technical Code 2008), IMO Res MEPC.198(62).				
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Item UK/2.9 Equipment using technological methods to limit Sox emissions – moved to UK/9/2.4

UK/2.10 On board exhaust gas cleaning systems Row 1 of 2	Type Approval Requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI, Reg 4), IMO Res MEPC.259(68).	IMO Res MEPC.259(68).	Scheme A B+F G Scheme B G	19.06.2018	01.06.2023 (III)
	Carriage & Performance requirements IMO Res MEPC.176(58) (Revised MARPOL Annex VI, Reg 4).				
UK/2.10 On board exhaust gas cleaning systems Row 2 of 2	Type Approval Requirements IMO Res MEPC.328(76) (Revised MARPOL Annex VI, Reg 4), IMO Res MEPC.259(68).	IMO Res MEPC.340(77)	Scheme A B+F G Scheme B G	29.03.2023	
	Carriage & Performance requirements IMO Res MEPC.328(76) (Revised MARPOL Annex VI, Reg 4).				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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3. Fire protection equipment

UK/3.1 Primary deck coverings Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/6 SOLAS 74 Reg X/3	IMO Res MSC.307(88) 2010 FTP Code, as amended.	B+D B+E B+F		
	Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/6 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (1994 HSC Code) 7				
UK/3.2 Portable fire extinguishers Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 4	EN 3-7:2004 incl. A1:2007 EN 3-8:2006 incl. AC:2007 EN 3-9:2006 incl. AC:2007 EN 3-10:2009	B+D B+E B+F		15.08.2025 (II)
	Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/18 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res A.951(23) IMO Res MSC.36(63) (1994 HSC Code) 7				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73) (FSS Code) 4 IMO Res MSC.391(95) (IGF Code) 11 IMO MSC.Circ.1239 IMO MSC.Circ.1275				
UK/3.2 Portable fire extinguishers Row 2 of 2	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73)(FSS Code) 4 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/18 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res A.951(23) IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 4 IMO Res MSC.391(95) (IGF Code) 11 IMO MSC.Circ.1239 IMO MSC.Circ.1275	EN 3-7:2004 incl. A1:2007 EN 3-8:2021 EN 3-9:2006 incl. AC:2007 EN 3-10:2009	B+D B+E B+F	29.03.2023	
UK/3.3a Fire fighter's outfit: Protective clothing (close proximity clothing) Protective non-reflective clothing for fire fighting	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 Carriage & Performance requirements	EN 469:2005 incl.A1:2006 and AC:2006	B+D B+E B+F		25.08.2024 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 2	SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 4				
<p>UK/3.3a</p> <p>Fire fighter's outfit: Protective clothing (close proximity clothing)</p> <p>Protective non-reflective clothing for fire fighting</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3</p>	EN 469:2020	B+D B+E B+F	25.08.2021	
<p>UK/3.3b</p> <p>Fire fighter's outfit: Protective clothing (close proximity clothing)</p> <p>Protective clothing for fire fighting: Reflective clothing for specialized fire fighting</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10</p>	EN 1486:2007	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 1	IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3				
UK/3.3c Fire fighter's outfit: Protective clothing (close proximity clothing) Protective clothing for firefighting: Protective clothing with reflective outer surface Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3	ISO 15538:2001 Note: Level 2	B+D B+E B+F		
UK/3.4 Fire Fighter's outfit: Boots Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 IMO Res MSC.4(48) (IBC Code) 11 IMO Res MSC.5(48) (IGC Code) 11	EN 15090:2012	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3						
UK/3.5 Fire Fighter's outfit: Gloves Row 1 of 1	<table border="1"> <tr> <td data-bbox="557 557 1061 715"> Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 </td> <td data-bbox="557 715 1061 1086"> Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 IMO Res MSC.4(48) (IBC Code) 11 IMO Res MSC.5(48) (IGC Code) 11 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3	Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 IMO Res MSC.4(48) (IBC Code) 11 IMO Res MSC.5(48) (IGC Code) 11 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3	EN 659:2003 incl.AC:2008 and AC:2009	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3	Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 IMO Res MSC.4(48) (IBC Code) 11 IMO Res MSC.5(48) (IGC Code) 11 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3						
UK/3.6 Fire Fighter's outfit: Helmet Row 1 of 1	<table border="1"> <tr> <td data-bbox="557 1142 1061 1300"> Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 </td> <td data-bbox="557 1300 1061 1391"> Carriage & Performance requirements </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3	Carriage & Performance requirements	EN 443:2008	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3	Carriage & Performance requirements						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 IMO Res MSC.4(48) (IBC Code) 11 IMO Res MSC.5(48) (IGC Code) 11 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3				
UK/3.7 Self-contained compressed air operated breathing apparatus Note: For use in accidents involving dangerous goods where a positive pressure type mask is required (Refer to item UK/7.1) Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 SOLAS 74 Reg II-2/19 IMO Res MSC.4(48) (IBC Code) 11 IMO Res MSC.5(48) (IGC Code) 11 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 3 IMO MSC.1/Circ 1499 IMO MSC.1/Circ.1555	ISO 23269-2:2011 (firefighting-maritime use only) Type 1 mask shall not be used in either UK/3.7 or UK/7.1 Note: Associated fireproof lifeline requested by ISO 23269:4.28 shall be UK certified as item UK/3.44 and used in conjunction with the breathing apparatus and capable of being attached by means of a snap-hook to the harness of the apparatus or to a separate belt in order to prevent the breathing apparatus becoming detached when the lifeline is operated. The breathing apparatus module B shall indicate the UK fireproof lifeline as mandatory combined component	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/3.8</p> <p>Compressed air line breathing apparatus</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg X/3 IMO Res MSC.36(63) (1994 HSC Code) 7</p> <p>Note: This equipment is only for high-speed craft built under provisions of the 1994 HSC Code</p> <hr/> <p>Carriage & Performance requirements</p> <p>IMO Res MSC.36(63) (1994 HSC Code) 7</p>	<p>EN 14593-1:2018</p> <p>Or:</p> <p>EN 14594:2018</p>	<p>B+D B+E B+F</p>	<p>19.09.2019</p>	
<p>UK/3.9</p> <p>Sprinkler systems components for accommodation spaces and control stations equivalent to that referred to in SOLAS 74 Reg II-2/12 (limited to nozzles and their performance)</p> <p>(Nozzles for fixed sprinkler systems, for high-speed craft (HSC) are included under this item)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 8</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/9 SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.44(65) IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 8 IMO MSC/Circ.912 IMO MSC/Circ.1556</p>	<p>IMO Res.A.800(19) as amended</p>	<p>B+D B+E B+F</p>		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Row 1 of 1					
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<p>UK/3.10</p> <p>Nozzles for fixed pressure water spraying fire extinguishing systems for machinery spaces and cargo pump rooms.</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 7</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 7 IMO Res MSC.391(95) (IGF Code) 11 IMO MSC/Circ.1313</p>	IMO MSC Circ.1165 as amended	B+D B+E B+F		
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<p>UK/3.11a</p> <p>'A' and 'B' class divisions fire integrity:</p> <p>'A' Class division</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3.2 IMO MSC Circ.1120</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3.2 SOLAS 74 Reg II-2/9 IMO MSC Circ.1120 IMO MSC Circ.1434 IMO MSC Circ.1616</p>	IMO Res MSC.307(88) 2010 FTP Code as amended IMO MSC Circ.1435	B+D B+E B+F		15.08.2025 (III)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/3.11a</p> <p>'A' and 'B' class divisions fire integrity:</p> <p>'A' Class division</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3.2 IMO MSC Circ.1120</p>	<p>IMO Res MSC.307(88) (2010 FTP Code), as amended IMO MSC Circ.1435</p>	<p>B+D B+E B+F</p>	<p>29.03.2023</p>	
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3.2 SOLAS 74 Reg II-2/9 IMO MSC Circ.1120 IMO MSC Circ.1434 IMO MSC Circ.1616 IMO MSC Circ 1621</p>				

<p>UK/3.11b</p> <p>'A' and 'B' class divisions fire integrity:</p> <p>'B' Class division</p> <p>Note: Where a B class bulkhead has been tested from only one side and has been designed to be installed with the untested side adjacent to the untested side of another B class bulkhead, the type examination certificate shall include the conditions under which it can be installed onboard ensuring that the level of protection</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3.4 IMO MSC Circ.1120</p>	<p>IMO Res MSC.307(88) (2010 FTP Code), as amended</p>	<p>B+D B+E B+F</p>		
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3.4 SOLAS 74 Reg II-2/9 IMO MSC Circ.1120 IMO MSC Circ.1581</p>				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
indicated in the relevant fire integrity tables included in SOLAS Chapter II-2/Reg 9.2 Thermal and structural boundaries is always fulfilled Row 1 of 1					
UK/3.12a Devices to prevent the passage of flame into the cargo tanks in tankers: P/V valves Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 IMO Res MSC.98(73) (FSS Code) 15	IMO MSC Circ.677, as amended EN ISO 16854:2016 ISO 15364:2016	B+D B+E B+F	19.06.2018	25.08.2024 (III)
UK/3.12a Devices to prevent the passage of flame into the cargo tanks in tankers: P/V valves Row 2 of 2	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 IMO Res MSC.98(73) (FSS Code) 15	IMO MSC Circ.677 as amended EN ISO 16854:2016 ISO 15364:2021	B+D B+E B+F	25.08.2021	
UK/3.12b	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16	IMO MSC Circ.677 as amended EN ISO 16852:2016	B+D B+E B+F	19.06.2018	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Devices to prevent the passage of flame into the cargo tanks in tankers: Flame arresters Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 IMO Res MSC.98(73) (FSS Code) 15				
UK/3.12c Devices to prevent the passage of flame into the cargo tanks in tankers: Detonation flame arresters Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 IMO Res MSC.98(73) (FSS Code) 15	IMO MSC Circ.677, as amended EN ISO 16852:2016	B+D B+E B+F	19.06.2018	
UK/3.12d Devices to prevent the passage of flame into the cargo tanks in tankers: High velocity vent valves Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 IMO Res MSC.98(73) (FSS Code) 15	IMO MSC Circ.677, as amended, EN ISO 16852:2016 ISO 15364:2016	B+F	19.06.2018	25.08.2024 (III)
UK/3.12d	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16	IMO MSC Circ.677, as amended. EN ISO 16852:2016 ISO 15364:2016	B+F	25.08.2021	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Devices to prevent the passage of flame into the cargo tanks in tankers: High velocity vent valves Row 2 of 2	Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg II-2/16 IMO Res MSC.98(73) (FSS Code) 15				
UK/3.13 Non-combustible materials Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/16 Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code) as amended.	B+D B+E B+F		
UK/3.14 Materials other than steel for pipes penetrating 'A' and 'B' class divisions – item included in UK/3.26 and UK/3.27					
UK/3.15a	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg X/3	IMO Res.A753(18) as amended. IMO Res MSC.307(88) 2010 (FTP Code), as amended.	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Materials other than steel for pipes conveying oil or fuel: - Plastic pipes and fittings Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.36(63) (1994 HSC Code) 10 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 10 IMO MSC/Circ.1120				
UK/3.15b Materials other than steel for pipes conveying oil or fuel: - Valves Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.36(63) (1994 HSC Code) 10 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 10 IMO MSC/Circ.1120	EN ISO 10497:2010	B+D B+E B+F		
UK/3.15c Materials other than steel for pipes conveying oil or fuel:	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/4	ISO 15540:2016 ISO 15541:2016	B+D B+E B+F	19.06.2018	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
- Flexible pipe assemblies and compensators Row 1 of 1	IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.36(63) (1994 HSC Code) 10 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 10 IMO MSC/Circ.1120				
UK/3.15d Materials other than steel for pipes conveying oil or fuel: - Metallic pipe components with resilient and elastomeric seals Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.36(63) (1994 HSC Code) 10 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 10 IMO MSC Circ.1120 IMO MSC Circ.1527	ISO 19921:2005 ISO 19922:2005	B+D B+E B+F		
UK/3.16 Fire doors Note: Fire door control system components are subject to conformity assessment according to item UK/3.17	Type Approval Requirements SOLAS 74 Reg II-2/9 Carriage & Performance requirements SOLAS 74 Reg II-2/9 IMO MSC Circ.1511	IMO Res MSC.307(88) (2010 FTP Code), as amended. IMO MSC.1/Circ.1319	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Row 1 of 1					
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<p>UK/3.17</p> <p>Fire door control system components</p> <p>Note: When the term “system components” is used it may be that a single component, a group of components or a whole system needs to be tested to ensure that the international requirements are fulfilled.</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/9 IMO Res MSC.97(73) (2000 HSC Code) 7</p>	<p>IMO Res MSC.307(88) (2010 FTP Code), as amended</p>	<p>B+D B+E B+F</p>		
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<p>UK/3.18a</p> <p>Surface materials and floor coverings with low flame spread characteristics:</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/6 SOLAS 74 Reg X/3</p>	<p>IMO Res MSC.307(88) (2010 FTP Code), as amended.</p>	<p>B+D B+E B+F</p>		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
- Decorative veneers Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/6 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC/Circ.1120				
UK/3.18b Surface materials and floor coverings with low flame spread characteristics: - Paint systems Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/6 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/6 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC Circ.1120	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		
UK/3.18c	Type Approval Requirements		B+D		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Surface materials and floor coverings with low flame spread characteristics:</p> <ul style="list-style-type: none"> - Floor coverings <p>Row 1 of 1</p>	<p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/6 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/6 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC Circ.1120</p>	<p>IMO Res MSC.307(88) (2010 FTP Code) as amended.</p>	<p>B+E B+F</p>		
<p>UK/3.18d</p> <p>Surface materials and floor coverings with low flame spread characteristics:</p> <ul style="list-style-type: none"> - Pipe insulation covers <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC Circ.1120</p>	<p>IMO Res MSC.307(88) (2010 FTP Code), as amended.</p>	<p>B+D B+E B+F</p>		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/3.18e</p> <p>Surface materials and floor coverings with low flame spread characteristics:</p> <ul style="list-style-type: none"> - Adhesives used in the construction of 'A', 'B' and 'C' class divisions <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC Circ.1120</p>	<p>IMO Res MSC.307(88) (2010 FTP Code), as amended.</p>	<p>B+D B+E B+F</p>		
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<p>UK/3.18f</p> <p>Surface materials and floor coverings with low flame spread characteristics:</p> <ul style="list-style-type: none"> - Combustible ducts membrane <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7</p>	<p>IMO Res MSC.307(88) (2010 FTP Code) as amended</p>	<p>B+D B+E B+F</p>		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC Circ.1120				
UK/3.19 Draperies, curtains and other suspended textile materials and films Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code) as amended IMO MSC.1/Circ.1456 as amended	B+D B+E B+F		
UK/3.20 Upholstered furniture Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		12.08.2023 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73) (2000 HSC Code) 7				
UK/3.20a Upholstered furniture <ul style="list-style-type: none"> - Complete piece of furniture (including cover material, filling material and non-combustible rack) Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F	12.08.2020	
UK/3.20b Upholstered furniture <ul style="list-style-type: none"> - Cover material for any filling material Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) (2010 FTP Code), Annex 1 Part 8 Appendix 3, as amended.	B+D B+E B+F	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7				
UK/3.20c Upholstered furniture <ul style="list-style-type: none"> - Cover material for flame retardant filling material (tested in specific combination as intended for further application) Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code), Annex 1 Part 8 Appendix 3 as amended.	B+D B+E B+F	12.08.2020	
UK/3.20d Upholstered furniture <ul style="list-style-type: none"> - flame retardant filling material Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/5	IMO Res MSC.307(88) (2010 FTP Code), Annex 1 Part 8 Appendix 3 as amended.	B+D B+E B+F	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7				
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<p>UK/3.21 Bedding components Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied. Row 1 of 1</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/9 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/3 SOLAS 74 Reg II-2/9 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7</p>	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		
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<p>UK/3.22 Fire dampers Row 1 of 1</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/9</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/9</p>	IMO Res MSC.307(88) (2010 FTP Code), as amended	B+D B+E B+F		
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Item UK/3.23, Non-combustible duct penetrations through 'A' class divisions – item deliberately left blank

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/3.24, Electric cable transits through 'A' class divisions – item deliberately left blank

UK/3.25 'A' and 'B' class fire-proof windows and side scuttles Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) '92010 FTP Code), as amended	B+D B+E B+F		
	Carriage & Performance requirements SOLAS 74 Reg II-2/9 IMO Res MSC.5(48) (IGC Code) 3 IMO MSC Circ.1120				

UK/3.26a Penetration through 'A' class divisions: Electric cable transits Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) (2010 FTP Code), as amended. IMO MSC.1/Circ.1488	B+D B+E B+F		
	Carriage & Performance requirements SOLAS 74 Reg II-2/9				

UK/3.26b Penetration through 'A' class divisions: Pipe, duct, trunk etc. penetrations Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) (2010 FTP Code), as amended IMO MSC.1/Circ.1488	B+D B+E B+F		
	Carriage & Performance requirements SOLAS 74 Reg II-2/9 IMO MSC.1/Circ.1276				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
UK/3.26c Penetration through 'A' class divisions: Busbar trunking penetration systems Row 1 of 1	<table border="1"> <tr> <td data-bbox="548 363 1072 459"> Type Approval Requirements SOLAS 74 Reg II-2/9 </td> <td data-bbox="548 459 1072 616"> Carriage & Performance requirements SOLAS 74 Reg II-2/9 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg II-2/9	Carriage & Performance requirements SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) (2010 FTP Code), as amended. IMO MSC.1/Circ.1488	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg II-2/9	Carriage & Performance requirements SOLAS 74 Reg II-2/9						
UK/3.27a Penetration through 'B' class divisions: Electric cable transits Row 1 of 1	<table border="1"> <tr> <td data-bbox="548 675 1072 770"> Type Approval Requirements SOLAS 74 Reg II-2/9 </td> <td data-bbox="548 770 1072 895"> Carriage & Performance requirements SOLAS 74 Reg II-2/9 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg II-2/9	Carriage & Performance requirements SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg II-2/9	Carriage & Performance requirements SOLAS 74 Reg II-2/9						
UK/3.27b Penetration through 'B' class divisions: Pipe, duct, trunk etc. penetrations Row 1 of 1	<table border="1"> <tr> <td data-bbox="548 986 1072 1082"> Type Approval Requirements SOLAS 74 Reg II-2/9 </td> <td data-bbox="548 1082 1072 1238"> Carriage & Performance requirements SOLAS 74 Reg II-2/9 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg II-2/9	Carriage & Performance requirements SOLAS 74 Reg II-2/9	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg II-2/9	Carriage & Performance requirements SOLAS 74 Reg II-2/9						
UK/3.28	Type Approval Requirements	ISO 6182-1:2014	B+D		15.08.2025		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Sprinkler systems (limited to sprinkler heads)</p> <p>(Nozzles for fixed sprinkler systems for high-speed craft (HSC) are included under this item)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 1 of 2</p>	<p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.44(65) IMO Res MSC.98(73) (FSS Code) 8 IMO MSC/Circ.912 IMO MSC.1/Circ.1556</p>	<p>Or:</p> <p>EN 12259-1:1999 incl. A1:2001, A2:2004 and A3:2006.</p>	<p>B+E B+F</p>		<p>(III)</p>
<p>UK/3.28</p> <p>Sprinkler systems (limited to sprinkler heads)</p> <p>(Nozzles for fixed sprinkler systems for high-speed craft (HSC) are included under this item)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be applied.</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.44(65) IMO Res MSC.98(73) – (FSS Code) 8 IMO MSC/Circ.912 IMO MSC.1/Circ.1556</p>	<p>ISO 6182-1:2021</p> <p>Or:</p> <p>EN 12259-1:1999 incl. A1:2001, A2:2004 and A3:2006</p>	<p>B+D B+E B+F</p>	<p>29.03.2023</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/3.29</p> <p>Firefighting hoses:</p> <p>Non-percolating lay flat firefighting hoses (range of the inside diameter from 25mm to 52mm)</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7</p>	EN 14540:2014	B+D B+E B+F		
<p>UK/3.30a</p> <p>Portable Oxygen analysis and gas detection equipment:</p> <p>Category 1 – (safe area)</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI/7</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI/7 IMO Res MSC.97(73) (2000 HSC Code) 15 IMO MSC.1/Circ.1477 IMO MSC.1/Circ.1581</p>	<p>EN 50104:2010 EN 60079-29:2016 EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 60092-504:2016 IEC 60533:2015</p>	B+D B+E B+F	12.08.2020	25.08.2024 (II)
<p>UK/3.30a</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI/7</p>	<p>EN 50104:2019 EN 60079-29:2016</p>	B+D B+E B+F	25.08.2021	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Portable Oxygen analysis and gas detection equipment: Category 1 – (safe area) Row 2 of 2	Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 IMO Res MSC.98(73)-(FSS Code) 15 IMO MSC.1/Circ.1477 IMO MSC.1/Circ.1581	EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 60092-504:2016 IEC 60533:2015			
UK/3.30b Portable Oxygen analysis and gas detection equipment: Category 2 – (explosive gas atmospheres) Row 1 of 4	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 IMO Res MSC.98(73) (FSS Code) 15 IMO MSC.1/Circ.1477 IMO MSC.1/Circ.1581	EN 50104:2010 EN 60079-29:2016 EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-10-1:2015 EN 60079-11:2012 EN 60079-15:2010 EN 60079-26:2015 EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 60092-504:2016 IEC 60533:2015	B+D B+E B+F	12.08.2020	25.08.2024 (II)
UK/3.30b Portable Oxygen analysis detection equipment: Category 2 – (explosive gas atmospheres) Row 2 of 4	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 IMO Res MSC.98(73) (FSS Code) 15 IMO MSC.1/Circ.1477	EN 50104:2019 EN 60079-29-1:2016 EN IEC 60079-0:2018 incl. AC:2020 EN 60079-1:2014 EN 60079-10-1:2015 EN 60079-11:2012 EN 60079-15:2010 EN 60079-26:2015	B+D B+E B+F	25.08.2021	15.08.2025

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO MSC.1/Circ.1581	EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 60092-504:2016 IEC 60533:2015			
<p>UK/3.30b</p> <p>Portable Oxygen analysis and/or gas detection equipment:</p> <p>Category 2 – (explosive gas atmospheres)</p> <p>Row 3 of 4</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 IMO Res MSC.98(73) (FSS Code) 15 IMO MSC.1/Circ.1477 IMO MSC.1/Circ.1581</p>	<p>EN 50104:2019 EN 60079-29-1:2016 EN IEC 60079-0:2018 incl. AC:2020 EN 60079-1:2014 incl.AC:2018-09 EN 60079-10-1:2021 EN 60079-11:2012 EN 60079-15:2010 EN 60079-26:2015 EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>29.03.2023</p>	<p>10.10.2026 (II)</p>
<p>UK/3.30b</p> <p>Portable Oxygen analysis and/or gas detection equipment:</p> <p>Category 2 – (explosive gas atmospheres)</p> <p>Row 4 of 4 (NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 SOLAS 74 Reg XI-1/7 IMO Res MSC.98(73) (FSS Code) IMO MSC.1/Circ.1477 IMO MSC.1/Circ.1581</p>	<p>EN 50104:2019, EN 60079-29-1:2016, EN IEC 60079-0:2018 incl. AC:2020, EN 60079-1:2014 incl.AC:2018-09, EN 60079-10-1:2021, EN 60079-11:2012, EN 60079-15:2019, EN 60079-26:2015, EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr. 1:2008, IEC 60092-504:2016, IEC 60533:2015,</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/3.31, Nozzles for fixed sprinkler systems for high-speed craft (HSC) deleted as it is covered by UK/3.9 and UK/3.28

UK/3.32 Fire restricting materials (except furniture) for high-speed craft Row 1 of 1	Type Approval Requirements SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC.1/Circ.1457	IMO Res MSC.307(88) (2010 FTP Code), as amended	B+D B+E B+F		
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UK/3.33 Fire restricting materials for furniture for high-speed craft Row 1 of 1	Type Approval Requirements SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		
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UK/3.34	Type Approval Requirements SOLAS 74 Reg X/3	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Fire resistant divisions for high-speed craft Row 1 of 1	Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC.1/Circ.1457		B+E B+F		
UK/3.35 Fire doors for high-speed craft Row 1 of 1 Note: Fire door control system components are subject to conformity assessment according to item UK/3.17	Type Approval Requirements SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	IMO Res MSC.307(88) (2010 FTP Code), as amended.	B+D B+E B+F		
UK/3.36 Fire dampers for high-speed craft Row 1 of 1	Type Approval Requirements SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements IMO Res MSC.36(63) 1994 HSC Code 7 IMO Res MSC.97(73) 2000 HSC Code 7	IMO Res MSC.307(88) 2010 FTP code as amended	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
UK/3.37a Penetrations through fire resisting divisions on high-speed craft Electric cable transits Row 1 of 1	<table border="1"> <tr> <td data-bbox="548 331 1072 427"> Type Approval Requirements SOLAS 74 Reg X/3 </td> <td data-bbox="1072 331 1527 644" rowspan="2"> IMO Res MSC.307(88) (2010 FTP Code), as amended </td> </tr> <tr> <td data-bbox="548 427 1072 644"> Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg X/3	IMO Res MSC.307(88) (2010 FTP Code), as amended	Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg X/3	IMO Res MSC.307(88) (2010 FTP Code), as amended						
Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7							
UK/3.37b Penetrations through fire resisting divisions on high-speed craft Pipe, duct, trunk etc penetrations Row 1 of 1	<table border="1"> <tr> <td data-bbox="548 703 1072 799"> Type Approval Requirements SOLAS 74 Reg X/3 </td> <td data-bbox="1072 703 1527 1032" rowspan="2"> IMO Res MSC.307(88) (2010 FTP Code), as amended. </td> </tr> <tr> <td data-bbox="548 799 1072 1032"> Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg X/3	IMO Res MSC.307(88) (2010 FTP Code), as amended.	Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7	B+D B+E B+F		
Type Approval Requirements SOLAS 74 Reg X/3	IMO Res MSC.307(88) (2010 FTP Code), as amended.						
Carriage & Performance requirements IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7							
UK/3.38 Portable fire extinguishing equipment for lifeboats and rescue boats Row 1 of 2	<table border="1"> <tr> <td data-bbox="548 1070 1072 1193"> Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 </td> <td data-bbox="1072 1070 1527 1351" rowspan="2"> EN 3-7:2004 incl. A1:2007 EN 3-8:2006 incl. AC:2007 EN 3-9:2006 incl. AC:2007 EN 3-10:2009 </td> </tr> <tr> <td data-bbox="548 1193 1072 1348"> Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res A.951(23) </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	EN 3-7:2004 incl. A1:2007 EN 3-8:2006 incl. AC:2007 EN 3-9:2006 incl. AC:2007 EN 3-10:2009	Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res A.951(23)	B+D B+E B+F		15.08.2025 (II)
Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3	EN 3-7:2004 incl. A1:2007 EN 3-8:2006 incl. AC:2007 EN 3-9:2006 incl. AC:2007 EN 3-10:2009						
Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res A.951(23)							

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) LSA Code) IV IMO Res MSC.48(66) LSA Code) V				
UK/3.38 Portable fire extinguishing equipment for lifeboats and rescue boats Row 2 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res A.951(23) IMO Res MSC.36(63) (1994 HSC Code) 8 IMO Res MSC.97(73) (2000 HSC Code) 8 IMO Res MSC.48(66) (LSA Code) I IMO Res MSC.48(66) LSA Code) IV IMO Res MSC.48(66) LSA Code) V	EN 3-7:2004 incl. A1:2007 EN 3-8:2021 EN 3-9:2006 incl. AC:2007 EN 3-10:2009	B+D B+E B+F	29.03.2023	
UK/3.39 Nozzles for equivalent water mist fire extinguishing systems for machinery spaces and cargo pump rooms Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7	IMO MSC/Circ.1165 as amended	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC.1/Circ.1458 IMO MSC.1/Circ.1313				
<p>UK/3.40 Low location lighting systems (components only)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/13 IMO Res MSC.98(73) (FSS Code) 11</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/13 IMO Res.A.752(18) IMO Res MSC.98(73) (FSS Code) 11</p>	IMO Res.A.752(18) ISO 15370:2010	B+D B+E B+F		25.08.2024 (II)
<p>UK/3.40 Low location lighting systems (components only)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/13 IMO Res MSC.98(73) (FSS Code) 11</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/13 IMO Res MSC.98(73) (FSS Code) 11 IMO Res.A.752(18)</p>	IMO Res.A.752(18) ISO 15370:2021	B+D B+E B+F	25.08.2021	
UK/3.41a	Type Approval Requirements	ISO 23269-1:2008	B+D		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Emergency escape breathing devices (EEBD) Self-contained open-circuit compressed air breathing apparatus with full mask or mouthpiece assembly for escape Row 1 of 1	SOLAS 74 Reg II-2/13 Carriage & Performance requirements SOLAS 74 Reg II-2/13 IMO Res MSC.98(73) (FSS Code) 3 IMO MSC/Circ.849	EN 402:2003	B+E B+F		
UK/3.41b Emergency escape breathing devices (EEBD) Self-contained open-circuit compressed air breathing apparatus with hood for escape Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/13 Carriage & Performance requirements SOLAS 74 Reg II-2/13 IMO Res MSC.98(73) (FSS Code) 3 IMO MSC/Circ.849	ISO 23269-1:2008 EN 1146:2005	B+D B+E B+F		
UK/3.41c Emergency escape breathing devices (EEBD) Self-contained open-circuit compressed air breathing apparatus Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/13 Carriage & Performance requirements SOLAS 74 Reg II-2/13 IMO Res MSC.98(73) (FSS Code) 3 IMO MSC/Circ.849	ISO 23269-1:2008 EN 13794:2002	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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UK/3.42a Inert gas systems: Whole system Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/4 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res.A.567(14) IMO Res MSC.98(73) (FSS Code) 15 IMO MSC/Circ.353 IMO MSC/Circ.485 IMO MSC/Circ.731 IMO MSC/Circ.1120	IMO MSC/Circ.353, as amended,	G	12.08.2020	
UK/3.42a Inert gas systems: Whole system Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg II-2/4 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res.A.567(14) IMO Res MSC.98(73) (FSS Code) 15 IMO MSC/Circ.353 IMO MSC/Circ.485 IMO MSC/Circ.731 IMO MSC/Circ.1120	IMO MSC/Circ.353, as amended, IMO Res MSC.98(73) (FSS Code) 15	G		

UK/3.42b	Type Approval Requirements SOLAS 74 Reg II-2/4	IMO MSC/Circ.353 as amended	B+D		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Inert gas systems: -Single components -Inert gas scrubbers Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res.A.567(14) IMO Res MSC.98(73) (FSS Code) 15 IMO MSC/Circ.353 IMO MSC/Circ.485 IMO MSC/Circ.731 IMO MSC/Circ.1120		B+E B+F G		
UK/3.42c Inert gas systems: -Single components -Inert gas blowers Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/4 Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res.A.567(14) IMO Res MSC.98(73) (FSS Code) 15 IMO MSC/Circ.353 IMO MSC/Circ.485 IMO MSC/Circ.731 IMO MSC/Circ.1120	IMO MSC/Circ.353 as amended	B+D B+E B+F G		
UK/3.43 Nozzles for deep fat cooking equipment fire	Type Approval Requirements SOLAS 74 Reg II-2/1 SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3	ISO 15371:2015	B+D B+E B+F	16.03.2017	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
extinguishing systems (automatic or manual type) Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg II-2/1 SOLAS 74 Reg II-2/10 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO MSC.1/Circ.1433				
UK/3.44 Fire-fighting outfit – lifeline Lifelines for breathing apparatus approved under item UK/3.7 and item UK/7.1 Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) 1994 HSC Code 7 IMO Res MSC.97(73) 2000 HSC Code 7 IMO Res MSC.97(73) (FSS Code) 3	IMO Res MSC.98(73) (FSS Code) 3 as amended, IMO Res MSC.307(88) (2010 FTP Code), as amended, ISO 23269-2:2011	B+D B+E B+F	13.09.2019	
UK/3.45 Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 5 Carriage & Performance requirements SOLAS 74 Reg II-2/10	IMO MSC/Circ.848 as amended	B+D B+E B+F		15.08.2025

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 2</p>	<p>IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 5 IMO MSC/Circ.848 IMO MSC.1/Circ.1313</p>				
<p>UK/3.45</p> <p>Equivalent fixed gas fire extinguishing systems components (extinguishing medium, head valves and nozzles) for machinery spaces and cargo pump rooms</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) (FSS Code) 5</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) (1994 HSC Code) 7 IMO Res MSC.97(73) (2000 HSC Code) 7 IMO Res MSC.98(73) (FSS Code) 5 IMO Res MSC.391(95) (IGF Code) 11 IMO MSC.1/Circ.1313</p>	IMO MSC/Circ.848 as amended	B+D B+E B+F	29.03.2023	
<p>UK/3.46</p> <p>Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems)</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 5</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10</p>	IMO MSC/Circ.1270 incl. corr. 1, as amended,	B+D B+E B+F		15.08.2025 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7 IMO Res MSC.98(73) – (FSS Code) 5, IMO MSC/Circ.1270 incl. corr. 1, IMO MSC.1/Circ.1313				
<p>UK/3.46</p> <p>Equivalent fixed gas fire extinguishing systems for machinery spaces (aerosol systems)</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 5,</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7 IMO Res MSC.98(73) FSS Code 5 IMO Res MSC.291(95) IGF code 11 IMO MSC/Circ.1270 incl. corr. 1 IMO MSC.1/Circ.1313</p>	IMO MSC/Circ.1270 incl. corr. 1 as amended	B+D B+E B+F	29.03.2023	
<p>UK/3.47</p> <p>Concentrate for fixed high expansion foam extinguishing systems for machinery spaces and cargo pump rooms</p> <p>Note: The fixed high expansion foam fire</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) – (FSS Code) 6.</p>	IMO MSC/Circ.670	B+D B+E B+F		15.08.2025 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>extinguishing systems (including those systems which use inside air from their working spaces for their intended performance) for machinery spaces and cargo pump rooms must still be tested with the approved concentrate to the satisfaction of the Administration</p> <p>Row 1 of 2</p>					
<p>UK/3.47</p> <p>Concentrate for fixed high expansion foam extinguishing systems for machinery spaces and cargo pump rooms</p> <p>Note: The fixed high expansion foam fire extinguishing systems (including those systems which use inside air from their working spaces for their intended performance) for machinery spaces and cargo pump rooms must still be tested with the approved concentrate to the satisfaction of the Administration</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) – (FSS Code) 6 IMO Res MSC.291(95)- (IGF Code) 11.</p>	IMO MSC/Circ.670	B+D B+E B+F	29.03.2023	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/3.48</p> <p>Fixed water based local application fire fighting systems components for use in category A machinery spaces</p> <p>(Nozzles and performance tests)</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7</p>	IMO MSC.1/Circ.1387	B+D B+E B+F		
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<p>UK/3.49a</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces</p> <p>Prescriptive based systems as per IMO MSC.1/Circ.1430</p> <p>Row 1 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 7</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) – (FSS Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7</p>	IMO MSC.1/Circ.1430	B+D B+E B+F		01.01.2021 (III)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63) – (1994 HSC Code) 7				
<p>UK/3.49a</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces</p> <p>Prescriptive based systems as per IMO MSC.1/Circ.1430 Revision 1</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 7</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.36(63) – (1994 HSC Code) 7, IMO Res MSC.97(73) – (2000 HSC Code) 7, IMO Res MSC.98(73) – (FSS Code) 7.</p>	IMO MSC.1/Circ.1430 Revision 1	B+D B+E B+F	12.08.2020	15.08.2025 (III)
<p>UK/3.49a</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces</p> <p>Prescriptive based systems as per IMO MSC.1/Circ.1430 Revision 2</p> <p>Row 3 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 7</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7 IMO Res MSC.98(73) – (FSS Code) 7</p>	IMO MSC.1/Circ.1430 Revision 2	B+D B+E B+F	01.07.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces</p> <p>Performance based systems as per IMO MSC.1/Circ.1430</p> <p>Row 1 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 7</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.36(63) – (1994 HSC Code) 7, IMO Res MSC.97(73) – (2000 HSC Code) 7, IMO Res MSC.98(73) – (FSS Code) 7.</p>	IMO MSC.1/Circ.1430	B+D B+E B+F		01.01.2021 (III)
<p>UK/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces</p> <p>Performance based systems as per IMO MSC.1/Circ.1430 Revision 1</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 7</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7</p>	IMO MSC.1/Circ.1430 Revision 1	B+D B+E B+F	12.08.2020	15.08.2025 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO Res MSC.98(73) – (FSS Code) 7				
<p>UK/3.49b</p> <p>Fixed water-based firefighting systems for ro-ro spaces, vehicle spaces and special category spaces</p> <p>Performance based systems as per IMO MSC.1/Circ.1430 Revision 2</p> <p>Row 3 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 7</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7 IMO Res MSC.98(73) - (FSS Code) 7</p>	IMO MSC.1/Circ.1430 Revision 2	B+D B+E B+F	01.07.2022	

Item UK/3.50 Protective clothing resistant to chemical attack – item moved to UK/9/3.9

<p>UK/3.51a</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 9</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7</p>	<p>Electrical installation in ships: EN 54-2:1997 incl. AC:1999 and A1:2006</p> <p>And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016</p>	B+D B+E B+F	19.06.2018	15.08.2025 (III)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
unattended machinery spaces: Control and indicating equipment Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 2	IMO Res MSC.36(63) –(1994 HSC Code) 7 IMO Res MSC.97(73) – (2000 HSC Code) 7, IMO Res MSC.98(73) – (FSS Code) 9, IMO Res MSC.391(95)- (IGF Code) 11 IMO MSC.1/Circ.1242 IMO MSC.1/Circ.1487 IMO MSC.1/Circ.1528	IEC 60533:2015			
UK/3.51a Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Control and indicating equipment Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Additional note: correction added in MSN 1874 amendment 8 to correct a	Type Approval Requirements SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9 Carriage & Performance requirements SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7 IMO Res MSC.97(73)-(2000 HSC Code) 7 IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95) IGF Code 11 IMO Res MSC.302(87) IMO MSC.1/Circ.1242 IMO MSC.1/Circ.1487 IMO MSC.1/Circ.1528	Electrical installation in ships: EN 54-2:1997 incl. AC:1999 and A1:2006 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN IEC 60923-1:2018 Correction: EN IEC 62923-1:2018, EN IEC 62923-2:2018 or EN 54-2:1997 incl. AC:1999 and A1:2006 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 62923-1:2018 IEC 62923-2:2018 And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016	B+D B+E B+F	01.07.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
typographical error from 'EN IEC 6923-1:2018' which should read 'EN IEC 62923-1:2018' Row 2 of 2		IEC 60533:2015			
<p>UK/3.51b</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Power supply equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 9</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.98(73) FSS Code 9 IMO Res MSC.97(73) 2000 HSC Code 7 IMO Res MSC.36(63) 1994 HSC Code 7 IMO Res MSC.391(95) IGF Code 11 IMO Res MSC.302(87) IMO MSC.1/Circ.1242 IMO MSC.1/Circ.1554</p>	<p>EN 54-4:1997 incl. AC:1999, A1:2002 and A2:2006</p> <p>And as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	
<p>UK/3.51c</p> <p>Fire detection and fire alarm systems components for control stations, service</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73) – (FSS Code) 9</p>	<p>EN 54-5:2017</p> <p>And as applicable, electrical and electronic installation in ships:</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>21.08.2022 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Heat detectors – point detectors</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 2</p>	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63) –(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)- (FSS Code) 9 IMO MSC.1/Circ.1242</p>	<p>IEC 60092-504:2016 IEC 60533:2015</p>			
<p>UK/3.51c</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Heat detectors – point detectors</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)- (FSS Code) 9</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)- (FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11 IMO MSC.1/Circ.1242</p>	<p>EN 54-5:2017 incl. A1:2018 And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 2 of 2					
<p>UK/3.51d</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Smoke detectors: Point detectors using scattered light, transmitted light or ionization</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242</p>	<p>EN 54-7:2000 incl. A1:2002 and A2:2006</p> <p>And as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 incl. IEC 60092-504 corr.1:2011, IEC 60533:1999</p>	<p>B+D B+E B+F</p>		<p>31.08.2022 (III)</p>
<p>UK/3.51d</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7</p>	<p>EN 54-7:2018</p> <p>And as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
unattended machinery spaces: Smoke detectors: Point detectors using scattered light, transmitted light or ionization Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 2 of 2	IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9, IMO Res MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242,				
UK/3.51e Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Flame detectors: Point detectors Note: For products used as spare parts of existing installations the relevant standards at the time of	Type Approval Requirements SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9 Carriage & Performance requirements SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11 IMO MSC.1/Circ.1242	EN 54-10:2002 incl. A1:2005 And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016 IEC 60533:2015	B+D B+E B+F	19.06.2018	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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placing on board can still be accepted Row 1 of 1					
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<p>UK/3.51f</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Manual call points</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 9</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7 IMO Res MSC.97(73)-(2000 HSC Code) 7 IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11 IMO MSC.1/Circ.1242</p>	<p>EN 54-11:2001 incl. A1:2005</p> <p>And as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	
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<p>UK/3.51g</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 9</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7</p>	<p>EN 54-17:2005 incl. AC:2007</p> <p>And as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Short circuit isolators Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1	IMO Res MSC.97(73)-(2000 HSC Code) 7 IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11 IMO MSC.1/Circ.1242				
UK/3.51h Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Input/output devices Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7 IMO Res MSC.97(73)-(2000 HSC Code) 7 IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11 IMO MSC.1/Circ.1242	EN 54-18:2005 incl. AC:2007 And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016 IEC 60533:2015	B+D B+E B+F	19.06.2018	
UK/3.51i	Type Approval Requirements SOLAS 74 Reg II-2/7	EN 60332-1-2:2004 incl.A1:2015, IEC 60092-376:2017.	B+D	19.06.2018	28.03.2021 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Cables</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 3</p>	<p>SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7 IMO Res MSC.97(73)-(2000 HSC Code) 7 IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11 IMO MSC.1/Circ.1242</p>	<p>And, as applicable, electrical and electronic installations on ships:</p> <p>IEC 60092-504:2016, IEC 60533:2015, IEC 60332-1-2:2004 incl. A1:2015.</p> <p>And/or</p> <p>Fire resistant cables:</p> <p>IEC 60092-376:2017 IEC 60331-1:2009 or IEC 60331-1:2009</p> <p>And as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015 IEC 60332-1-2:2004 incl. A1:2015</p>	<p>B+E B+F</p>		
<p>UK/3.51i</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Cables</p> <p>Note: For products used as spare parts of existing installations the relevant</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9 IMO Res MSC.391(95)-(IGF Code) 11</p>	<p>IEC 60332-1-2:2004 incl. A1:2015 and A11:2016, IEC 60092-376:2017,</p> <p>And, as applicable, electrical and electronic installations on ships:</p> <p>IEC 60092-504:2016, IEC 60533:2015. IEC 60332-1-2:2004 inc.A1:2015.</p> <p>And/or:</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>15.08.2025 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
standards at the time of placing on board can still be accepted Row 2 of 3	IMO MSC.1/Circ.1242	Fire resistant cables: IEC 60092-376:2017 IEC 60331-1:2018 or IEC 60331-2:2018 And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016 IEC 60533:2015 IEC 60332-1-2:2004 incl. A1:2015			
<p>UK/3.51i</p> <p>Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:</p> <p>Cables</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 3 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9, IMO Res MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242</p>	<p>EN 603332-1-2:2004 incl. A1:2015, A11:2016 and A12:2020, IEC 60092-376:2017.</p> <p>And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016, IEC 60533:2015, IEC 60332-1-2:2004 incl. A1:2015, A11:2016 and A12:2020.</p> <p>And/or</p> <p>Fire resistant cables: IEC 60092-376:2017, IEC 60331-1:2018 or IEC 60331-2:2018,</p> <p>And as applicable, electrical and electronic installation in ships: IEC 60092-504:2016 IEC 60533:2015 IEC 60332-1-2:2004 incl. A1:2015.</p>	B+D B+E B+F	01.07.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
UK/3.52 Non-portable and transportable fire extinguishers Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/4, SOLAS 74 Reg II-2/10, IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7.	EN 1866-1:2007 EN 1866-2:2014 or EN 1866-1:2007 EN 1866-3:2013 or ISO 11601:2017	B+D B+E B+F	13.09.2019	
UK/3.53 Fire alarm devices - Sounders Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73)-(FSS Code) 9 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242, IMO MSC.1/Circ.1487	EN 54-3:2014 IEC 60092-504:2016 IEC 60533:2015	B+D B+E B+F	16.03.2017	12.08.2023 (III)
UK/3.53	Type Approval Requirements	EN 54-3:2014 incl.A1:2019	B+D	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Fire alarm devices - Sounders Row 2 of 2	SOLAS 74 Reg II-2/7 SOLAS 74 Reg X/3 IMO Res MSC.98(73) FSS Code 9 Carriage & Performance requirements SOLAS 74 Reg II-2/7 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7, IMO Res MSC.98(73)-(FSS Code) 9, IMO MSC.1/Circ.1242 IMO MSC.1/Circ.1487	IEC 60092-504:2016 IEC 60533:2015	B+E B+F		
UK/3.54a Fixed oxygen analysis and gas detection equipment Category 4: (Safe area) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 IMO Res MSC.98(73) FSS code 15 for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370	EN 50104:2010 IEC 60092-504:2016 IEC 60533:2015 for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370	B+D B+E B+F	12.08.2020	25.08.2024 (III)
UK/3.54a	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3	EN 50104:2019 IEC 60092-504:2016 IEC 60533:2015	B+D B+E B+F	25.08.2021	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Fixed oxygen analysis and gas detection equipment Category 4: (Safe area) Row 2 of 2	Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 IMO Res MSC.98(73) FSS code 15 for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370	for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370			
UK/3.54b Fixed oxygen analysis and gas detection equipment Category 3: (Explosive gas atmospheres) Row 1 of 3	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 IMO Res MSC.98(73) FSS code 15 for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370	EN 50104:2010, IEC 60079-0:2012 incl.A11:2013, IEC 60079-29-1:2016, IEC 60092-504:2016, IEC 60533:2015, for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370	B+D B+E B+F	19.06.2018	12.08.2023 (III)
UK/3.54b Fixed oxygen analysis and gas detection equipment Category 3: (Explosive gas atmospheres) Row 2 of 3	Type Approval Requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 Carriage & Performance requirements SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 IMO Res MSC.98(73) FSS Code 15	EN 50104:2010 IEC 60079-0:2018 IEC 60079-29-1:2016 IEC 60092-504:2016 IEC 60533:2015 for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370	B+D B+E B+F	12.08.2020	25.08.2024

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	for combined O ₂ /HC systems additionally: IMO MSC.1/Circ.1370				
<p>UK/3.54b</p> <p>Fixed oxygen analysis and gas detection equipment</p> <p>Category 3: (Explosive gas atmospheres)</p> <p>Row 3 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/4 SOLAS 74 Reg VI/3 IMO Res MSC.98(73) FSS Code 15</p> <p>for combined O₂/HC systems additionally: IMO MSC.1/Circ.1370</p>	<p>EN 50104:2019 IEC 60079-0:2018 incl.AC:2020 IEC 60079-29-1:2016 IEC 60092-504:2016 IEC 60533:2015</p> <p>for combined O₂/HC systems additionally: IMO MSC.1/Circ.1370</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	
<p>UK/3.55a</p> <p>Dual purpose type nozzles (spray/jet type):</p> <p>Hand-held branch pipes for fire service use – combination branch pipes PN16</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7.</p>	<p>EN 15182-1:2007 incl.A1:2009 EN 15182-2:2007 incl.A1:2009</p>	<p>B+D B+E B+F</p>		<p>12.08.2023 (III)</p>
<p>UK/3.55a</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p>	<p>EN 15182-1:2019 EN 15182-2:2019</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Dual purpose type nozzles (spray/jet type): Hand-held branch pipes for fire service use – combination branch pipes PN16 Row 2 of 2	Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7.				
UK/3.55b Dual purpose type nozzles (spray/jet type): Hand-held branch pipes for fire service use – Smooth bore jet and/or one fixed spray jet angle branch pipes PN16 Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7	EN 15182-1:2007 incl.A1:2009 EN 15182-3:2007 incl.A1:2009	B+D B+E B+F		12.08.2023 (III)
UK/3.55b Dual purpose type nozzles (spray/jet type): Hand-held branch pipes for fire service use – Smooth bore jet and/or one fixed spray jet angle branch pipes PN16 Row 2 of 2	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)(2000 HSC Code) 7.	EN 15182-1:2019 EN 15182-3:2019	B+D B+E B+F	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/3.56 Fixed firefighting hose systems Hose reels with semi-rigid hose Row 1 of 1</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7.</p>	EN 671-1:2012	B+D B+E B+F		
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<p>UK/3.57 Medium expansion foam fire extinguishing systems components – Fixed deck foam for tankers Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/10</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/10.8.1 IMO Res MSC.98(73) FSS Code 14 IMO MSC.1/Circ.1239 IMO MSC.1/Circ.1276</p>	IMO MSC/Circ.798	B+D B+E B+F		
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/3.58</p> <p>Fixed Low expansion foam fire extinguishing systems components for machinery spaces and tanker deck protection</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) FSS Code 6 IMO Res MSC.98(73) FSS Code 14 IMO MSC.1/Circ.1239 IMO MSC.1/Circ.1276</p>	<p>IMO MSC/Circ.1312 IMO MSC/Circ.1312 corr.1</p>	<p>B+D B+E B+F</p>		
<p>UK/3.59</p> <p>Expansion foam for fixed fire extinguishing systems for chemical tankers</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/1 IMO Res MSC.4(48) IBC Code 11.</p> <hr/> <p>Carriage & Performance requirements</p> <p>IMO Res MSC.4(48) IBC Code 11, IMO MSC/Circ.553</p>	<p>IMO MSC/Circ.1312 IMO MSC/Circ.1312/Corr.1</p>	<p>B+D B+E B+F</p>		
<p>UK/3.60</p> <p>Nozzles for fixed pressure water spraying fire</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) FSS Code 7</p>	<p>IMO MSC.1/Circ.1268</p>	<p>B+D B+E B+F</p>		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
extinguishing systems for cabin balconies Row 1 of 1	Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) FSS Code 7 IMO MSC.1/Circ.1313				
UK/3.61a Inside air expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and Ro-Ro spaces, special category spaces and cargo spaces Note: Inside/outside air high expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and Ro-Ro spaces, special category spaces and cargo spaces shall be tested with the approved concentrate to the satisfaction of the administration Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) FSS Code 6 IMO MSC.1/Circ.1528	IMO MSC.1/Circ.1384	B+D B+E B+F		
UK/3.61b	Type Approval Requirements SOLAS 74 Reg II-2/10	IMO MSC.1/Circ.1384	B+D		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Outside air expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and Ro-Ro spaces, special category spaces and cargo spaces</p> <p>Note: Inside/outside air high expansion foam systems for the protection of machinery spaces, cargo pump rooms, vehicle and Ro-Ro spaces, special category spaces and cargo spaces shall be tested with the approved concentrate to the satisfaction of the administration</p> <p>Row 1 of 1</p>	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) FSS Code 6 IMO MSC.1/Circ.1528</p>		<p>B+E B+F</p>		
<p>UK/3.62</p> <p>Dry chemical powder extinguishing systems</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/1</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/1 IMO Res MSC.5(48) IGC Code 11 IMO Res MSC.391(95) IGF Code 11 IMO MSC.1/Circ.1617</p>	<p>IMO MSC.1/Circ.1315</p>	<p>B+D B+E B+F</p>		
<p>UK/3.63a</p>	<p>Type Approval Requirements</p>	<p>IMO Res MSC.98(73) FSS Code 10,</p>	<p>B+D</p>	<p>19.06.2018</p>	<p>12.08.2023</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Sample extraction smoke detection systems components</p> <p>Control and indicating equipment. Electrical installation in ships</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 3</p>	<p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>EN 54-2:1997 incl.AC:1999 and A1:2006.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016, IEC 60533:2015.</p> <p>and as applicable for explosive atmospheres:</p> <p>EN 60079-0:2012 incl.A11:2013.</p>	<p>B+E B+F</p>		<p>(III)</p>
<p>UK/3.63a</p> <p>Sample extraction smoke detection systems components</p> <p>Control and indicating equipment. Electrical installation in ships</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>IMO Res MSC.98(73) FSS Code 10, EN 54-2:1997 incl.AC:1999 and A1:2006.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p> <p>And, as applicable for explosive atmospheres:</p> <p>EN IEC 60079-0:2018</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>25.08.2024 (III)</p>
<p>UK/3.63a</p>	<p>Type Approval Requirements</p>	<p>IMO Res MSC.98(73) FSS Code 10,</p>	<p>B+D</p>	<p>25.08.2021</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>Sample extraction smoke detection systems components</p> <p>Control and indicating equipment. Electrical installation in ships</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 3 of 3</p>	<p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7, SOLAS 74 Reg II-2/19, SOLAS 74 Reg II-2/20, IMO Res MSC.98(73) FSS Code 10.</p>	<p>EN 54-2:1997 incl.AC:1999 and A1:2006.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p> <p>and as applicable for explosive atmospheres:</p> <p>EN IEC 60079-0:2018 incl.AC:2020</p>	<p>B+E B+F</p>		
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<p>UK/3.63b</p> <p>Sample extraction smoke detection systems components</p> <p>Power supply equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>IMO Res MSC.98(73) FSS Code 10, EN 54-4:1997 incl.AC:1999, A1:2002 and A2:2006.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p> <p>And, as applicable, for explosive atmospheres:</p> <p>EN IEC 60079-0:2012 incl.A11:2013</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>12.08.2023 (III)</p>
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/3.63b</p> <p>Sample extraction smoke detection systems components</p> <p>Power supply equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>IMO Res MSC.98(73) FSS Code 10, EN 54-4:1997 incl.AC:1999, A1:2002 and A2:2006.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p> <p>and as applicable for explosive atmospheres:</p> <p>EN IEC 60079-0:2018</p>	<p>B+D B+E B+F</p>	<p>17.08.2020</p>	<p>25.08.2024 (III)</p>
<p>UK/3.63b</p> <p>Sample extraction smoke detection systems components</p> <p>Power supply equipment</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 3 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Resc.98(73)-(FSS Code) 10.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>IMO Res MSC.98(73) FSS Code 10, EN 54-4:1997 incl.AC:1999, A1:2002 and A2:2006.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p> <p>And, as applicable for explosive atmospheres:</p> <p>EN IEC 60079-0:2018 incl.AC:2020</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	
<p>UK/3.63c</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19</p>	<p>IMO Res MSC.98(73) FSS Code 10, EN 54-20:2006 incl.AC:2008.</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>12.08.2023 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Sample extraction smoke detection systems components</p> <p>Aspiring smoke detectors</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 1 of 3</p>	<p>SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016, IEC 60533:2015.</p> <p>And, as applicable for explosive atmospheres:</p> <p>EN IEC 60079-0:2012 incl.A11:2013</p>			
<p>UK/3.63c</p> <p>Sample extraction smoke detection systems components</p> <p>Aspiring smoke detectors</p> <p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>IMO Res MSC.98(73) FSS Code 10, EN 54-20:2006 incl.AC:2008.</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p> <p>And, as applicable, for explosive atmospheres:</p> <p>EN IEC 60079-0:2018</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>25.08.2024 (III)</p>
<p>UK/3.63c</p> <p>Sample extraction smoke detection systems components</p> <p>Aspiring smoke detectors</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20</p> <hr/> <p>Carriage & Performance requirements</p>	<p>IMO Res MSC.98(73) FSS Code 10 EN 54-20:2006 incl.AC:2008</p> <p>And, as applicable, electrical and electronic installation in ships:</p> <p>IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted</p> <p>Row 3 of 3</p>	<p>SOLAS 74 Reg II-2/7 SOLAS 74 Reg II-2/19 SOLAS 74 Reg II-2/20 IMO Res MSC.98(73) FSS Code 10</p>	<p>And, as applicable for explosive atmospheres: EN IEC 60079-0:2018 incl.AC:2020</p>			
<p>UK/3.64 ‘C’ class divisions Row 1 of 1</p>	<p>Type approval requirements SOLAS 74 Reg. II-2/3.10.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/3.10 SOLAS 74 Reg II-2/3.33 SOLAS 74 Reg II-2/9 IMO MSC.1/Circ.1120</p>	<p>IMO Res. MSC.307(88)-(2010 FTP Code), as amended</p>	<p>B+D B+E B+F</p>		
<p>UK/3.65 Fixed hydrocarbon gas detection system Row 1 of 3</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/4</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res MSC.98(73) FSS Code 16 IMO MSC.1/Circ.1370 IMO MSC.1/Circ.1527</p>	<p>IMO MSC.1/Circ.1370 EN 60079-0:2012 incl.A11:2013 EN 60079-29-1:2016 IEC 60092-504:2016 IEC 60533:2015</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>12.08.2023 (III)</p>
<p>UK/3.65</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/4</p>	<p>IMO MSC.1/Circ.1370 EN 60079-0:2018</p>	<p>B+D</p>	<p>12.08.2020</p>	<p>25.08.2024 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Fixed hydrocarbon gas detection system Row 2 of 3	Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res MSC.98(73) FSS Code 16 IMO MSC.1/Circ.1370 IMO MSC.1/Circ.1527	EN 60079-29-1:2016 IEC 60092-504:2016 IEC 60533:2015	B+E B+F		
UK/3.65 Fixed hydrocarbon gas detection system Row 3 of 3	Type Approval Requirements SOLAS 74 Reg II-2/4 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/4 IMO Res MSC.98(73) FSS Code 16 IMO MSC.1/Circ.1370 IMO MSC.1/Circ.1527	IMO MSC.1/Circ.1370 EN 60079-0:2018 incl.AC:2020 EN 60079-29-1:2016 IEC 60092-504:2016 IEC 60533:2015	B+D B+E B+F	25.08.2021	
UK/3.66 Evacuation guidance systems used as an alternative to low location lighting Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/13 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/13 IMO MSC.1/Circ.1168	IMO MSC.1/Circ.1168	B+D B+E B+F		
UK/3.67	Type Approval Requirements SOLAS 74 Reg II-2/18	EN 13565-1:2003 incl.A1:2007	B+D	16.03.2017	12.08.2023 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Helicopter facility foam fire-fighting appliances Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg II-2/18 IMO MSC.1/Circ.1431		B+E B+F		
UK/3.67 Helicopter facility foam fire-fighting appliances Row 2 of 2	Type Approval Requirements SOLAS 74 Reg II-2/18 Carriage & Performance requirements SOLAS 74 Reg II-2/18 IMO Res MSC.98(73) – (FSS Code) 17.	EN 13565-1:2019	B+D B+E B+F	12.08.2020	
UK/3.68 Galley exhaust duct fixed fire extinguishing systems components Note: For products used as spare parts of existing installations the relevant standards at the time of placing on board can still be accepted Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/9 Carriage & Performance requirements SOLAS 74 Reg II-2/9	ISO 15371:2015	B+D B+E B+F	16.03.2017	
UK/3.69	Type Approval Requirements SOLAS 74 Reg II-2/10	IMO MSC.1/Circ.1472	B+D		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Mobile water monitor for ships constructed on or after 1 January 2016 designed to carry five or more tiers of containers on or above the weather deck Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/19 IMO MSC.1/Circ.1472 IMO MSC.1/Circ.1550		B+E B+F		
UK/3.69 Mobile water monitor for ships constructed on or after 1 January 2016 designed to carry five or more tiers of containers on or above the weather deck Row 2 of 2	Type Approval Requirements SOLAS 74 Reg II-2/10 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/10, SOLAS 74 Reg II-2/19, IMO Res MSC.98(73) – (FSS Code) 12, IMO MSC.1/Circ.1472, IMO MSC.1/Circ.1550.	IMO MSC.1/Circ.1472	B+D B+E B+F		
UK/3.70 Fire-fighting hoses Semi-rigid hoses for fixed systems Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.36(63)-(1994 HSC Code) 7, IMO Res MSC.97(73)-(2000 HSC Code) 7.	EN 694:2014	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/3.71 Fixed fire-fighting hose systems Hose systems with lay-flat hose Row 1 of 1</p>	<p>Type Approval Requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg II-2/10 IMO Res MSC.97(73) –(2000 HSC Code) 7, IMO Res MSC.36(63)-(1994 HSC Code) 7.</p>	EN 671-2:2012	B+D B+E B+F	16.03.2017	
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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4. Navigation equipment

<p>UK/4.1</p> <p>Magnetic compass</p> <p>Class A for ships</p> <p>Note: IMO Res MSC.302(87) only applies when the equipment can raise and electronically send (an) alert(s) to a third piece of equipment</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.382(X) IMO Res A.694(17) IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.302(87)</p>	<p>ISO 1069:1973 ISO 25862:2009 EN 60945:2002 incl.IEC 60945 Corr.1:2008</p> <p>Or:</p> <p>ISO 1069:1973 ISO 25862:2009 IEC 60945:2002 incl.IEC 60945 Corr.1:2008</p> <p>Note: And where IMO Res MSC.302(87) is applicable:</p> <p>IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2:1998 - IEC 61162-3:2008 + A1:2010 + A2:2014 - IEC 61162-450:2018 <p>IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed.1.0:2014-07 	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>12.08.2023 (l)</p>
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		- IEC 61162-450:2018 IEC 62923-1:108 IEC 62923-2:2018. End of note on IMO Res.MSC.302(87)			
UK/4.1 Magnetic compass Class A for ships Note: IMO Res MSC.302(87) only applies when the equipment can raise and electronically send (an) alert(s) to a third piece of equipment Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg V/19, IMO Res A.382(X), IMO Res A.694(17), IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13, IMO Res MSC.302(87).	ISO 1069:1973 ISO 25862:2019 EN 60945:2002 incl. IEC 60945 corr.1:2008 Or: ISO 1069:1973 ISO 25862:2019 IEC 60945:2002 incl. IEC 60945 corr.1:2008 Note: and where IMO Res MSC.302(87) is applicable: EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed 1.0:1998-09	B+D B+E B+F G	12.08.2020	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
		<ul style="list-style-type: none"> - IEC 61162-3 Ed 1.2 Consol. With A1 Ed 1.0:2010-11 and A2 Ed 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018 End of note on IMO Res MSC.302(87)					
UK/4.2 Transmitting heading device THD (magnetic method) Row 1 of 2	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/19 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)-(2000 HSC Code) 13 </td> <td style="width: 50%; padding: 5px;"> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87) </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/19 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)-(2000 HSC Code) 13	Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87)	ISO 22090-2:2014 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 - EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 22090-2:2014 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 	B+D B+E B+F G	13.09.2018	01.07.2025 (l)
Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/19 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)-(2000 HSC Code) 13	Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87)						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
<p>UK/4.2</p> <p>Transmitting heading device THD (magnetic method)</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg V/19 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>ISO 22090-2:2014 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>ISO 22090-2:2014 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018</p>	<p>B+D B+E B+F G</p>	<p>01.11.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 62923-2:2018			
UK/4.3 Gyro compass Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.424(XI) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87)	ISO 8728:2014 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 8728:2014 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018	B+D B+E B+F G	13.09.2019	
UK/4.3 Gyro compass	Type Approval Requirements For new certificates refer to item UK/4.65	For new certificates refer to item UK/4.65	For new certificates	25.08.2021	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Moved to UK/4.65 Row 2 of 2	Carriage & Performance requirements For new certificates refer to item UK/4.65		refer to item UK/4.65		
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Item UK/4.4, Radar equipment – item moved to UK/4.34, UK/4.35 and UK/4.36

Item UK/4.5, Automatic radar plotting aid (ARPA) – item moved to UK/4.34

UK/4.6 Echo sounding equipment Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13	EN ISO 9875:2001 incl. ISO Technical corr.1:2006 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 9875:2001 incl. ISO Technical corr.1:2006 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016	B+D B+E B+F G	13.09.2019	01.07.2025 (l)
Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.224(VII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.74(69) Annex 4 IMO Res MSC.302(87)					

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.6 Echo sounding equipment Row 2 of 2	<p>Type Approval Requirements</p> SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, <hr/> <p>Carriage & Performance requirements</p> SOLAS 74 Reg V/19 IMO Res A.224(VII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)- (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.74(69) Annex 4 IMO Res MSC.302(87)	EN ISO 9875:2001 incl. ISO Technical corr.1:2006 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 9875:2001 incl. ISO Technical corr.1:2006 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.7 Speed and distance measuring equipment (SDME) Row 1 of 2	<p>Type Approval Requirements</p> SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, <p>Carriage & Performance requirements</p> SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res A.824(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61023:2007 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 EN 61023:2007 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 	B+D B+E B+F G	13.09.2019	01.07.2025 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.7 Speed and distance measuring equipment (SDME) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res A.824(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61023:2007 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 EN 61023:2007 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/4.8 Rudder angle, rpm, pitch indicator – item moved to UK/4.20, UK/4.21 and UK/4.22

<p>UK/4.9 Rate of turn indicator Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13,</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2 Ed.1.0:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (I)</p>
	<p>Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res A.526(13) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>ISO 20672:2007 incl.corr.1:2008 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 ISO 20672:2007 incl. corr.1:2008 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p>			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/4.9 Rate of turn indicator Row 2 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res A.526(13) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018</p> <p>ISO 20672:2022 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018</p> <p>ISO 20672:2022 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>01.11.2022</p>	
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Item UK/4.10, Direction finder – item deliberately left blank

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/4.11, Loran equipment – item deliberately left blank

Item UK/4.12, Chaika equipment – item deliberately left blank

Item UK/4.13, Decca navigator equipment – item deliberately left blank

<p>UK/4.14 GPS equipment Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, IMO Res MSC.112(73) IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61108-1:2003 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61108-1 Ed. 2.0:2003 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (I)</p>
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.14 GPS equipment Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.63 Carriage & Performance requirements For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	25.08.2021	
UK/4.15 GLONASS equipment Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)- (2000 HSC Code) 13, IMO Res MSC.113(73) IMO Res MSC.191(79) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61108-2:1998 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 EN 61108-2 Ed.1.0:1998 IEC 61162 series: - IEC 61162-1:2016	B+D B+E B+F G	13.09.2019	01.07.2025 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.15 GLONASS equipment Moved to UK/4.63 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	25.08.2021	
	Carriage & Performance requirements For new certificates refer to item UK/4.63				
UK/4.16 Heading Control System (HCS) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18	ISO 11674:2019 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 11674:2019 IEC 60945:2002 incl. IEC 60945 corr.1:2008	B+D B+E B+F G	12.08.2020	01.07.2027 (I)
	Carriage & Performance requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/19 IMO Res A.342 (IX) IMO Res A.694 (17) IMO Res MSC.191(79) IMO Res MSC.64(67) Annex 3 IMO Res MSC.302(87)				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.16 Heading Control System (HCS) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/19 IMO Res A.342 (IX) IMO Res A.694 (17) IMO Res MSC.191(79) IMO Res MSC.64(67) Annex 3 IMO Res MSC.302(87)	ISO 11674:2019 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 11674:2019 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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		<ul style="list-style-type: none"> - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018			
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Item UK/4.17, Mechanical pilot hoist – moved to UK/4.48

UK/4.18 Search and rescue locating devices (SRLD) 9GHz SAR Transponder (SART) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg IV/14 SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61097-1:2007 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61097-1:2007	B+D B+E B+F G		10.10.2026 (II)
	Carriage & Performance requirements SOLAS 74 Reg III/6 SOLAS 74 Reg IV/7 SOLAS 74 Reg III/26 IMO Res.A530 (13) IMO Res. A.802 (19) IMO Res.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 8 IMO Res MSC.36(63)-(1994 HSC Code) 14				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.97(73)-(2000 HSC Code) 8 IMO Res MSC.97(73)-(2000 HSC Code) 14 ITU-R M.628-5(03/2012)				
<p>UK/4.18</p> <p>Search and rescue locating devices (SRLD)</p> <p>9GHz SAR Transponder (SART)</p> <p>Row 2 of 2</p> <p>(NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg IV/14 SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/6 SOLAS 74 Reg IV/7 SOLAS 74 Reg III/26 IMO Res.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 8 IMO Res MSC.36(63)-(1994 HSC Code) 14 IMO Res MSC.97(73)-(2000 HSC Code) 8 IMO Res MSC.97(73)-(2000 HSC Code) 14 IMO Res.MSC.510(105), ITU-R M.628-5(03/2012)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61097-1:2007</p> <p>Or:</p> <p>IEC 60945:2002 incl. 60945 corr.1:2008</p> <p>IEC 61097-1:2007</p>	<p>B+D B+E B+F</p> <p>G</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Item UK/4.19 Radar equipment for high speed craft – moved to UK/4.37

<p>UK/4.20 Rudder angle indicator Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694 (17) IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (I)</p>
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 62923-1:2018 IEC 62923-2:2018 ISO 20673:2007			
UK/4.20 Rudder angle indicator Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694 (17) IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.191(79) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 20673:2022 Or: IEC 60945:2002 incl. 60945 corr. 1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 ISO 20673:2022	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/4.21 Propeller revolution indicator Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694 (17) IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 22554:2015</p> <p>Or:</p> <p>IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018 ISO 22554:2015.</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (l)</p>
<p>UK/4.21</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series:</p>	<p>B+D B+E B+F</p>	<p>01.11.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Propeller revolution indicator Row 2 of 2	IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694 (17) IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.191(79) IMO Res MSC.302(87)	<ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 <li style="padding-left: 20px;">+A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 22554:2015 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 ISO 22554:2015	G		
UK/4.22 Pitch indicator Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 Carriage & Performance requirements	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 <li style="padding-left: 20px;">+A1:2010 +A2:2014 	B+D B+E B+F G	13.09.2019	01.07.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg V/19 IMO Res A.694 (17) IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.191(79) IMO Res MSC.302(87)	<ul style="list-style-type: none"> - EN IEC 61162-450:2018 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 22555:2007 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018 ISO 22555:2007			
UK/4.22 Pitch indicator Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694 (17) IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 IMO Res MSC.191(79)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 22555:2022	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.302(87)	Or: IEC 60945:2002 incl. 60945 corr. 1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 ISO 22555:2022			
UK/4.23 Magnetic compass: Class B for lifeboats and rescue boats Row 1 of 2	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13 <hr/> Carriage & Performance requirements SOLAS 74 Reg III/34 IMO Res MSC.48(66)-(LSA Code) IV IMO Res MSC.48(66)-(LSA Code) V IMO Res MSC.36(63)-(1994 HSC Code) 8 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)-(2000 HSC Code) 8 IMO Res MSC.97(73)(2000 HSC Code) 13	ISO 1069:1973 ISO 25862:2009 IEC 60945:2002 incl. IEC 60945 corr. 1:2008	B+D B+E B+F G		12.08.2023 (II)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/4.23</p> <p>Magnetic compass: Class B for lifeboats and rescue boats</p> <p>Row 2 of 2</p> <p>Note: Correction added in MSN 1874 amendment 8 to correct a typographical error in the reference to the incorrect version of ISO 25862</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg III/4 SOLAS 74 Reg X/3 IMO Res MSC.36(63) 1994 HSC Code 13 IMO Res MSC.97(73) 2000 HSC Code 13</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/34 IMO Res MSC.48(66)-(LSA Code) IV IMO Res MSC.48(66)-(LSA Code) V IMO Res MSC.36(63)-(1994 HSC Code) 8 IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)-(2000 HSC Code) 8 IMO Res MSC.97(73)(2000 HSC Code) 13</p>	<p>ISO 1069:1973 ISO 25862:2009 Correction: ISO 25862:2019 IEC 60945:2002 incl. IEC 60945 corr. 1:2008</p>	<p>B+D B+E B+F G</p>	<p>12.08.2020</p>	
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Item UK/4.24, Automatic radar plotting aid (ARPA) – moved to UK/4.37

Item UK/4.25, Automatic tracking aid (ATA) – moved to UK/4.35

Item UK/4.26, Automatic tracking aid (ATA) for high-speed craft – moved to UK/4.38

Item UK/4.27, Electronic plotting aid – moved to UK/4.36

Item UK/4.28, Integrated bridge system – moved to UK/4.30

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/4.29 Voyage data recorder (VDR) Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/20 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13 IMO Res MSC.97(73)-(2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IMO Res MSC.333(90)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018</p> <p>EN 61996-1:2013+A1:2021 EN 62288:2014, EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 61996-1 Ed 2.0:2013 +A1:2021 IEC 62288 Ed 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>01.07.2022</p>	<p>30.06.2025</p>
<p>UK/4.29 Voyage data recorder (VDR)</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13,</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998</p>	<p>B+D B+E B+F G</p>	<p>01.07.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 2 of 2 (New row introduced by UK Approved Recommendation UK23/N001 – ahead of its introduction via MSN 1874 amendment 8)	IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/20 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.302(87) IMO Res MSC.333(90)	<ul style="list-style-type: none"> - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 61996-1:2013 + A1:2021 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 61996-1 Ed 2.0:2013 +A1:2021 IEC 62288 Ed 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.30 Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/27 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 	B+D B+E B+F G	13.09.2018	01.01.2024 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 3	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res.MSC.232(82), IMO Res MSC.302(87) IMO Res MSC.1/Circ.1503.Rev.1</p> <p>(ECDIS back up and RCDS are only applicable when this functionality is included in the ECDIS. The module B certificate shall indicate whether these options were tested)</p>	<p>EN 61174:2015 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018</p> <p>IEC 61174 Ed.4.0:2015 IEC 62288 Ed 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/4.30</p> <p>Electronic chart display and information system (ECDIS) with backup, and raster chart display system (RCDS)</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg V/27 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018</p> <p>EN 61174:2015 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>01.07.2022</p>	<p>31.12.2028</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.232(82) IMO Res MSC.302(87) IMO Res MSC.1/Circ.1503 Rev.1</p> <p>(ECDIS back up and RCDS are only applicable when this functionality is included in the ECDIS. The module B certificate shall indicate whether these options were tested)</p>	<p>Note: Annex S (normative of EN 61174 may additionally be tested in accordance to IEC PAS 61174-1:2021</p> <p>Or:</p> <p>IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 <p>IEC 61174 Ed.4.0:2015 IEC 62288 Ed 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Note: Annex S (normative of EN 61174 may additionally be tested in accordance to IEC PAS 61174-1:2021</p>			
<p>UK/4.31</p> <p>Gyro compass for high-speed craft</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p>	<p>ISO 16328:2014 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 	<p>B+D B+E B+F G</p>	<p>13.09.2018</p>	<p>01.07.2025 (l)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	Carriage & Performance requirements IMO Res A.694(17) IMO Res A.821(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.302(87) IMO Res MSC.1/Circ.1349	<ul style="list-style-type: none"> - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 16328:2014 IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.31 Gyro compass for high-speed craft Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.65 Carriage & Performance requirements For new certificates refer to item UK/4.65	For new certificates refer to item UK/4.65	For new certificates refer to item UK/4.65	25.08.2021	
UK/4.32	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series:	B+D B+E B+F	13.09.2019	01.07.2025 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Universal automatic identification system equipment (AIS) Row 1 of 2	IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.74(69) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM 1371-5 (02-2014) Note: ITU-RM 1371-5 (02-2014) shall only be applicable in accordance with requirements of IMO Res MSC.74(69)	<ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 IEC 61993-2:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018	G		
UK/4.32 Universal automatic identification system equipment (AIS) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 IEC 61993-2:2018	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 IMO Res MSC.74(69) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM 1371-5 (02-2014) Note: ITU-RM 1371-5 (02-2014) shall only be applicable in accordance with requirements of IMO Res MSC.74(69)	EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 61993-2:2018 IEC 62288 Ed 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018					
UK/4.33 Track control system Row 1 of 2	<table border="1"> <tr> <td data-bbox="546 962 1075 1058"> Type Approval Requirements SOLAS 74 Reg V/18 </td> <td data-bbox="1075 962 1527 1359" rowspan="2"> EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62065:2014 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 </td> </tr> <tr> <td data-bbox="546 1058 1075 1359"> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.74(69) IMO Res MSC.191(79) IMO Res MSC.302(87) </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg V/18	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62065:2014 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018	Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.74(69) IMO Res MSC.191(79) IMO Res MSC.302(87)	B+D B+E B+F G	13.09.2019	01.07.2025 (l)
Type Approval Requirements SOLAS 74 Reg V/18	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62065:2014 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018						
Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.74(69) IMO Res MSC.191(79) IMO Res MSC.302(87)							

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62065 Ed.2.2:2014-02 IEC 62288 Ed 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.33 Track control system Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.74(69) IMO Res MSC.191(79) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62065:2014 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62065 Ed.2.0:2014-02 IEC 62288 Ed 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.34 Radar equipment CAT 1 Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07	B+D B+E B+F G	13.09.2019	01.01.2024 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.34 Radar equipment CAT 1 Moved to UK/4-64 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.64 <hr/> Carriage & Performance requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	
UK/4.35 Radar equipment CAT 2 Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09	B+D B+E B+F G	13.09.2018	01.01.2024 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62388 Ed 2.0:2013-06 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.35 Radar equipment CAT 2 Moved to UK/4.64 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.64 <hr/> Carriage & Performance requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	
UK/4.36 Radar equipment CAT 3 Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62388:2013 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 	B+D B+E B+F G	13.09.2019	01.01.2024 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.36 Radar equipment CAT 3 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	
	Carriage & Performance requirements For new certificates refer to item UK/4.64				
UK/4.37 Radar equipment for high-speed craft application (CAT 1H and CAT 2H) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or:	B+D B+E B+F G	13.09.2019	01.01.2024 (I)
	Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.192(79)				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349 ITU-RM.1177-4(04/11)	IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.37 Radar equipment for high-speed craft application (CAT 1H and CAT 2H) Moved to UK/4.64 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.64 Carriage & Performance requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	
UK/4.38a Radar equipment approved with a chart option, namely: CAT 1C Row 1 of 3	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018	B+D B+E B+F G	13.09.2019	12.08.2023 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.192(79) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.38a Radar equipment approved with a chart option, namely: CAT 1C Row 2 of 3	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.192(79) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008	B+D B+E B+F G	12.08.2020	01.01.2024 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.38a Radar equipment approved with a chart option, namely: CAT 1C Note: New certification shall be carried out according to UK/4.64 CAT1 Row 3 of 3	Type Approval Requirements For new certificates refer to item UK/4.64 Carriage & Performance requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	
UK/4.38b Radar equipment approved with a chart option, namely: CAT 2C Row 1 of 3	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014	B+D B+E B+F G	13.09.2019	12.08.2023 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.192(79) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.38b Radar equipment approved with a chart option, namely: CAT 2C Row 2 of 3	Type Approval Requirements SOLAS 74 Reg V/18 Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.192(79) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or:	B+D B+E B+F G	12.08.2020	01.01.2024 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.38b Radar equipment approved with a chart option, namely: CAT 2C Note: New certification shall be carried out according to UK/4.64 CAT 2 Row 3 of 3	Type Approval Requirements For new certificates refer to item UK/4.64 Carriage & Performance requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	
UK/4.38c Radar equipment for high-speed craft application approved with a chart option, namely:	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998	B+D B+E B+F G	13.09.2019	01.01.2024 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
CAT 1HC Row 1 of 2	Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.192(79) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11) IMO MSC.1/Circ.1349	<ul style="list-style-type: none"> - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.38c Radar equipment for high-speed craft application approved with a chart option, namely: CAT 1HC Note: New certification shall be carried out	Type Approval Requirements For new certificates refer to item UK/4.64 Carriage & Performance requirements For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	For new certificates refer to item UK/4.64	25.08.2021	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
according to UK/4.64 CAT 1H Row 2 of 2					
UK/4.38d Radar equipment for high-speed craft application approved with a chart option, namely: CAT 2HC Row 1 of 2	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. <hr/> Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.192(79) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-RM.1177-4(04/11) IMO MSC.1/Circ.1349	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed 2.0:2013-06 IEC 62923-1:2018 IEC 62923-2:2018	B+D B+E B+F G	13.09.2019	01.01.2024 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/4.38d</p> <p>Radar equipment for high-speed craft application approved with a chart option, namely:</p> <p>CAT 2HC</p> <p>Note: New certification shall be carried out according to UK/4.64 CAT 2H</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>For new certificates refer to item UK/4.64</p> <hr/> <p>Carriage & Performance requirements</p> <p>For new certificates refer to item UK/4.64</p>	<p>For new certificates refer to item UK/4.64</p>	<p>For new certificates refer to item UK/4.64</p>	<p>25.08.2021</p>	
<p>UK/4.39</p> <p>Radar reflector – passive type</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.164(78)</p>	<p>ISO 8729-1:2010</p> <p>EN 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>Or:</p> <p>ISO 8729-1:2010 IEC 60945:2002 incl. IEC 60945 corr.1:2008</p>	<p>B+D B+E B+F G</p>		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/4.40 Heading control system for high-speed craft Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements IMO Res A.694(17) IMO Res A.822(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349.</p>	<p>ISO 16329:2003 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 16329:2003 IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (l)</p>
<p>UK/4.40 Heading control system for high-speed craft</p>	<p>Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13,</p>	<p>ISO 16329:2003 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series:</p>	<p>B+D B+E B+F G</p>	<p>01.11.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 2 of 2	<p>IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage & Performance requirements</p> <p>IMO Res A.694(17) IMO Res A.822(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.302(87) IMO MSC.1/Circ.1349</p>	<ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 <p>EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>ISO 16329:2003 IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. With A1 Ed.1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 <p>IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/4.41</p> <p>Transmitting heading device THD (GNSS method)</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg X/3 SOLAS 74 Reg V/18 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p>	<p>ISO 22090-3:2014</p> <p>EN 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 <p>EN 62288:2014</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (l)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.302(87) IMO Res MSC.191(79) IMO Res MSC.116(73)</p>	<p>EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>ISO 22090-3:2014 IEC 60945:2002 incl. 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>And as applicable:</p> <p>EN 61162 series: - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018</p> <p>Or:</p> <p>IEC 61162 series: - IEC 61162-3 Ed 1.2 consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018</p>			
<p>UK/4.41</p> <p>Transmitting heading device THD (GNSS method)</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p>	<p>ISO 22090-3:2014 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998</p> <p>EN 62288:2022 EN IEC 62923-1:2018</p>	<p>B+D B+E B+F G</p>	<p>01.11.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res. A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.302(87) IMO Res MSC.191(79) IMO Res MSC.116(73)</p>	<p>EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. 60945 corr.1:2008 ISO 22090-3:2014 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09</p> <p>IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>And as applicable:</p> <p>EN 61162 series: - EN 61162-3:2008 +A1:2010 +A2:2014 - IEC 61162-450:2018</p> <p>Or:</p> <p>IEC 61162 series: - IEC 61162-3 Ed 1.2 consol. With A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018</p>			
<p>UK/4.42</p> <p>Searchlight for high-speed craft</p> <p>Row 1 of 1</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p>	<p>ISO 17884:2004 EN 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>Or:</p> <p>ISO 17884:2004</p>	<p>B+D B+E B+F G</p>		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	Carriage & Performance requirements IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	IEC 60945:2002 incl. IEC 60945 corr. 1:2008			
UK/4.43 Night vision equipment for high-speed craft Row 1 of 2	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. <hr/> Carriage & Performance requirements IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res.94(72) IMO Res A.191(79)	ISO 16273:2003 EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN 62288:2014 Or: ISO 16273:2003 IEC 60945:2002 incl. 60945 corr. 1:2008 IEC 62288 Ed.2.0:2014-07	B+D B+E B+F G		01.07.2025 (l)
UK/4.43 Night vision equipment for high-speed craft Row 2 of 2	Type Approval Requirements SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. <hr/> Carriage & Performance requirements IMO Res A.694(17)	ISO 16273:2003 EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN IEC 62288:2022 Or: ISO 16273:2020 IEC 60945:2002 incl. 60945 corr. 1:2008 IEC 62288 Ed.3.0:2021	B+D B+E B+F G	01.07.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res A.191(79) IMO Res A.94(72)				
<p>UK/4.44</p> <p>Differential beacon receiver for DGPS and DGLONASS equipment</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.114(73)</p>	<p>EN 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 61108-4:2004 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998, - EN 61162-3:2008+A1:2010+A2:2014, - EN IEC 61162-450:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 Corr.1:2008 IEC 61108-4:2004 EN 61162 series: - EN 61162-1:2016 - EN 61162-2 Ed 1.0:1998-09 - EN 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010 + A2 Ed. 1.0:2014-07 - IEC 61162-450:2018</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (I)</p>
<p>UK/4.44</p>	<p>Type Approval Requirements</p> <p>For new certificates refer to item UK/4.63</p>	<p>For new certificates refer to item UK/4.63</p>	<p>For new certificates</p>	<p>25.08.2021</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Differential beacon receiver for DGPS and DGLONASS equipment Moved to UK/4.63 Row 2 of 2	Carriage & Performance requirements For new certificates refer to item UK/4.63		refer to item UK/4.63		
Item UK/4.45, Chart facilities for shipborne radar – item deleted as it is covered by UK/4.38					
UK/4.46 Transmitting heading device THD (Gyroscopic method) Row 1 of 2	Type Approval Requirements SOLAS 74 Reg X/3 SOLAS 74 Reg V/18 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.116(73) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87)	ISO 22090-1:2014 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: ISO 22090-1:2014 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	B+D B+E B+F G	13.09.2019	01.07.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018 			
<p>UK/4.46</p> <p>Transmitting heading device THD (Gyroscopic method)</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>ISO 22090-1:2014, EN 60945:2002 incl. IEC 60945 corr.1:2008, EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 <p>EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>ISO 22090-1:2014 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 <p>IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>01.11.2021</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/4.47 Simplified voyage data recorder (S-VDR) Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/20</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/20 IMO Res MSC.163(78) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 61996-2:2008 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 61996-2:2007 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>13.09.2019</p>	<p>01.07.2025 (l)</p>
<p>UK/4.47 Simplified voyage data recorder (S-VDR) Row 2 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/20</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/20 IMO Res MSC.163(78)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014</p>	<p>B+D B+E B+F G</p>	<p>29.03.2023</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87)	- EN IEC 61162-450:2018 EN IEC 61996-2:2008 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 61996-2:2007 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018			
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Item UK/4.48, Mechanical pilot hoist is deliberately left blank (as IMO Res MSC.308(88) in force on 1 July 2012 quotes: "Mechanical pilot hoists shall not be used")

UK/4.49 Pilot ladder Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/23 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg V/23 IMO Res A.1045(27)	IMO Res A.1045(27) as amended ISO 799:2004	B+D B+E B+F G		12.08.2023 (II)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
UK/4.49 Pilot ladder Row 2 of 2	IMO MSC/Circ.1428 Type Approval Requirements SOLAS 74 Reg V/23 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg V/23 IMO Res A.1045(27) IMO MSC/Circ.1428	IMO Res A.1045(27) as amended ISO 799-1:2019	B+D B+E B+F G	12.08.2020	
UK/4.50 DGPS equipment Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.112(73) IMO Res MSC.114(73) IMO Res MSC.191(79) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61108-1:2003 EN 61108-4:2004 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61108-1:2003 IEC 61108-4:2004 IEC 61162 series: - IEC 61162-1:2016	B+D B+E B+F G	13.09.2019	01.07.2025 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.50 DGPS equipment Moved to UK/4.63 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.63 <hr/> Carriage & Performance requirements For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	25.08.2021	
UK/4.51 DGLONASS equipment Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61108-2:1998 EN 61108-4:2004 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or:	B+D B+E B+F G	13.09.2019	01.07.2025 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.113(73) IMO Res MSC.114(73) IMO Res MSC.191(79) IMO Res MSC.302(87)	IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61108-2 Ed. 1.0:1998 IEC 61108-4:2004 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.51 DGPS equipment Moved to UK/4.63 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.63 Carriage & Performance requirements For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	25.08.2021	
UK/4.52 Daylight signaling lamp Row 1 of 1	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19	EN 60945:2002 incl. IEC 60945 corr.1:2008 ISO 25861:2007 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 ISO 25861:2007	B+D B+E B+F		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res.95(72) IMO Res MSC.97(73)-(2000 HSC Code) 13.				
UK/4.53 Radar target enhancer Row 1 of 1	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.164(78) ITU-R M.1176-1(02/13)	ISO 8729-2:2009 EN 60945:2002 incl. IEC 60945 corr.1:2008 Or: ISO 8729-2:2009 IEC 60945:2002 incl. IEC 60945 corr.1:2008	B+D B+E B+F G		
UK/4.54 Compass bearing device Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 Carriage & Performance requirements	ISO 25862:2009 EN 60945:2002 incl. IEC 60945 corr.1:2008 or ISO 25862:2009	B+D B+E B+F G		12.08.2023 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg V/19	IEC 60945:2002 incl. IEC 60945 corr.1:2008			
UK/4.54 Compass bearing device Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 Carriage & Performance requirements SOLAS 74 Reg V/19	ISO 25862:2019 EN 60945:2002 incl. IEC 60945 corr.1:2008 or IEC 60945:2002 incl. IEC 60945 corr.1:2008 ISO 25862:2019	B+D B+E B+F G	12.08.2020	
UK/4.55 Search and rescue locating devices (SRLD): AIS SART equipment Row 1 of 1	Type Approval Requirements SOLAS 74 Reg III/4 SOLAS 74 Reg IV/14 Carriage & Performance requirements SOLAS 74 Reg III/6 SOLAS 74 Reg III/26 SOLAS 74 Reg IV/7 IMO Res MSC.246(83) ITU-R M.1371-5:2014	ISO 61097-14:2010 EN 60945:2002 incl. IEC 60945 corr.1:2008 Or: IEC 61097-14:2010 IEC 60945:2002 incl. IEC 60945 corr.1:2008	B+D B+E B+F G		
UK/4.56 Galileo equipment Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61108-3:2010 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998	B+D B+E B+F G	13.09.2019	01.07.2025 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Imo Res.191(79) IMO Res MSC.233(82) IMO Res MSC.302(87)	<ul style="list-style-type: none"> - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61108-3:2010 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.56 Galileo equipment Moved to UK/4.63 Row 2 of 2	Type Approval Requirements For new certificates refer to item UK/4.63 Carriage & Performance requirements For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	For new certificates refer to item UK/4.63	25.08.2021	
UK/4.57	Type Approval Requirements SOLAS 74 Reg V/18	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series:	B+D B+E B+F	13.09.2019	01.07.2025

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Bridge navigational watch alarm system (BNWAS) Row 1 of 2	Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.128(75) IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1474	<ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 EN 62616:2010 incl. IEC 62616 corr.1:2012 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1,0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62616:2010 incl. IEC 62616 corr.1:2012 IEC 62923-1:2018 IEC 62923-2:2018	G		
UK/4.57 Bridge navigational watch alarm system (BNWAS) Row 2 of 2	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.128(75) IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1474	<ul style="list-style-type: none"> - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2022 EN 62616:2010 incl. IEC 62616 corr.1:2012 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1,0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62616:2010 incl. IEC 62616 corr.1:2012 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.58 Sound reception equipment Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 	B+D B+E B+F G	13.09.2019	01.07.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.86(70) IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.302(87)</p>	<p>- EN IEC 61162-450:2018 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 14859:2012</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018 ISO 14859:2012</p>			
<p>UK/4.58</p> <p>Sound reception equipment</p> <p>Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.694(17)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018</p> <p>EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 14859:2012</p>	<p>B+D B+E B+F G</p>	<p>01.11.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO MSC. Res.86(70) IMO Res MSC.191(79) IMO Res MSC.302(87)	Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1,0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 ISO 14859:2012			
UK/4.59 Integrated navigation system Row 1 of 3	Type Approval Requirements SOLAS 74 Reg V/15 SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 IEC 61924-2 Ed.1.0:2012-12 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008	B+D B+E B+F G	13.09.2019	12.08.2023 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.191(79) IMO Res MSC.252(83) IMO Res MSC.302(87)	IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1,0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 61924-2 Ed.1.0:2012-12 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.59 Integrated navigation system Row 2 of 3	Type Approval Requirements SOLAS 74 Reg V/15 SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.252(83) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN 62288:2014 IEC 61924-2:2013 incl. IEC 61924-2 corr.1:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09	B+D B+E B+F G	12.08.2020	01.01.2024 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 61924-2:2012 incl. IEC 61924-2 corr.1:2013 IEC 62923-1:2018 IEC 62923-2:2018			
UK/4.59 Integrated navigation system Row 3 of 3	<p>Type Approval Requirements</p> SOLAS 74 Reg V/15 SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. <hr/> <p>Carriage & Performance requirements</p> SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.252(83) IMO Res MSC.302(87)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN IEC 61924-2:2021 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 	B+D B+E B+F G	01.07.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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		- IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 EN IEC 61924-2:2021 IEC 62923-1:2018 IEC 62923-2:2018			
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UK/4.60 Radar equipment approved with a chart option namely: CAT 3C Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 <hr/> Carriage & Performance requirements IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) ITU-R M.1177-4(04/11)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2014 EN IEC 62388:2013 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62388 Ed. 2.0:2013-06 IEC 62923-1:2018	B+D B+E B+F G	12.08.2020	01.01.2024 (I)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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<p>UK/4.60 Radar equipment approved with a chart option namely: CAT 3C Note: New certification shall be carried out according to UK/4.64 CAT3 Row 2 of 2</p>	<p>Type Approval Requirements For new certificates refer to item UK/4.64</p> <hr/> <p>Carriage & Performance requirements For new certificates refer to item UK/4.64</p>	<p>IEC 62923-2:2018</p> <p>For new certificates refer to item UK/4.64</p>	<p>For new certificates refer to item UK/4.64</p>	<p>25.08.2021</p>	
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UK/4.61, Radar equipment for high-speed craft applications CAT 3H - Item removed by MSN 1874 amendment 6

UK/4.62, Radar equipment for high-speed craft applications approved with a chart option, namely CAT 3HC - Item removed by MSN 1874 amendment 6

<p>UK/4.63 GNSS equipment Row 1 of 2</p>	<p>Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13,</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018</p> <p>EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>And for: <u>GPS equipment:</u></p>	<p>B+D B+E B+F G</p>	<p>25.08.2021</p>	<p>01.07.2025 (I)</p>
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>IMO Res MSC.97(73)-(2000 HSC Code) 13. IMO Res MSC.191(79) IMO Res MSC.302(87)</p> <p>And for:</p> <p>GPS equipment: IMO Res MSC.112(73) GLONASS equipment: IMO Res MSC.113(73) DGPS equipment: IMO Res MSC.112(73) IMO Res MSC.114(73) DGLONASS equipment: IMO Res MSC.113(73) IMO Res MSC.114(73) Galileo equipment: IMO Res MSC.233(82) Beidou: IMO Res MSC.379(93)</p>	<p>EN 61108-1:2003</p> <p><u>GLONASS equipment:</u> EN 61108-2:1998</p> <p><u>DGPS equipment:</u> EN 61108-1:2003 EN 61108-4:2004</p> <p><u>DGLONASS equipment:</u> EN 61108-2:1998 EN 61108-4:2004</p> <p><u>Galileo equipment:</u> EN 61108-3:2010</p> <p><u>Beidou:</u> EN IEC 61108-5:2020</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p>			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		And for: <u>GPS equipment:</u> IEC 61108-1 Ed.2.0:2003 <u>GLONASS equipment:</u> IEC 61108-2 Ed.1.0:1998 <u>DGPS equipment:</u> IEC 61108-1 Ed.2.0:2003 IEC 61108-4:2004 <u>DGLONASS equipment:</u> EN 61108-2Ed.1.0:1998 EN 61108-4:2004 <u>Galileo equipment:</u> EN 61108-3:2010 <u>Beidou:</u> IEC 61108-5:2020			
UK/4.63 GNSS equipment incorporating one or more of the following elements: GPS equipment – moved from ex UK/4.14 GLONASS equipment – moved from ex UK/4.15 DGPS equipment – moved from ex UK/4.50	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 <hr/> Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.694(17)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018	B+D B+E B+F G	01.11.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
DGLONASS equipment – moved from ex UK/4.51 Galileo equipment – moved from ex UK/4.56 Beidou (BDS) Indian Regional Navigational Satellite System (IRNSS) Row 2 of 2	IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87) And for: GPS equipment: IMO Res MSC.112(73) GLONASS equipment: IMO Res MSC.113(73) DGPS equipment: IMO Res MSC.112(73) IMO Res MSC.114(73) DGLONASS equipment: IMO Res MSC.113(73) IMO Res MSC.114(73) Galileo equipment: IMO Res MSC.233(82) Beidou: IMO Res MSC.379(93) IRNSS: IMO Res.MSC.449(99)	And for: <u>GPS equipment:</u> EN 61108-1:2003 <u>GLONASS equipment:</u> EN 61108-2:1998 <u>DGPS equipment:</u> EN 61108-1:2003 EN 61108-4:2004 <u>DGLONASS equipment:</u> EN 61108-2:1998 EN 61108-4:2004 <u>Galileo equipment:</u> EN 61108-3:2010 <u>Beidou:</u> EN IEC 61108-5:2020 <u>IRNSS Equipment</u> EN IEC 61108-6:2023 Or: IEC 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed.			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		1,0:2010-11 and A2 Ed. 1,0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 And for: <u>GPS equipment:</u> IEC 61108-1 Ed.2.0:2003 <u>GLONASS equipment:</u> IEC 61108-2 Ed.1.0:1998 <u>DGPS equipment:</u> IEC 61108-1 Ed.2.0:2003 IEC 61108-4:2004 <u>DGLONASS equipment:</u> EN 61108-2Ed.1.0:1998 EN 61108-4:2004 <u>Galileo equipment:</u> EN 61108-3:2010 <u>Beidou:</u> IEC 61108-5:2020 <u>IRNSS equipment</u> EN IEC 61108-6:2023			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/4.64</p> <p>Radar equipment</p> <p>CAT1 – moved from ex UK/4.34</p> <p>CAT2 – moved from ex UK/4.35</p> <p>CAT3 – moved from ex UK/4.36</p> <p>CAT1H – moved from ex UK/4.37</p> <p>CAT 2H – moved from ex UK/4.37</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg V/19 IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349 ITU-R M.1177-4(04/11)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 <p>EN IEC 62288:2014 EN 62388:2013 incl. IEC 62388 corr.1:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:199809 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 <p>IEC 62288 Ed.2.0:2014-07 IEC 62388 Ed.2.0:2013-06 incl. IEC 62388 corr.1:2014 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F G</p>	<p>25.08.2021</p>	<p>01.01.2024 (I)</p>
<p>UK/4.64</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008</p>	<p>B+D</p>	<p>01.11.2022 (I)</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Radar equipment CAT1 – moved from ex UK/4.34 CAT2 – moved from ex UK/4.35 CAT3 – moved from ex UK/4.36 CAT1H – moved from ex UK/4.37 CAT 2H – moved from ex UK/4.37 Row 2 of 2	SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 Carriage & Performance requirements SOLAS 74 Reg V/19 IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349 ITU-R M.1177-4(04/11)	EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN 62388:2013 incl. IEC 62388 corr.1:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62388 Ed.2.0:2013-06 incl. IEC 62388 corr.1:2014 IEC 62923-1:2018 IEC 62923-2:2018	B+E B+F G		
UK/4.65	Type Approval Requirements SOLAS 74 Reg V/18	EN 60945:2002 incl. IEC 60945 corr.1:2008	B+D	25.08.2021	01.07.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Gyro compass moved from ex UK/4.3 moved from ex UK/4.31 Row 1 of 2	<p>SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13</p> <p>Carriage & Performance requirements</p> <p>For gyro compass: SOLAS 74 Reg V/19 IMO Res A.424(XI) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87)</p> <p>For gyro compass for HSC: IMO Res A.694(17) IMO Res A.821(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349</p>	<p>EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018</p> <p>EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>And additionally for gyro compass ISO 8728:2014</p> <p>And additionally for gyro compass for HSC: ISO 16328:2014</p> <p>Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018</p> <p>IEC 62288 Ed.2.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>And additionally for gyro compass ISO 8728:2014</p>	B+E B+F G		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		And additionally for gyro compass for HSC: ISO 16328:2014			
<p>UK/4.65</p> <p>Gyro compass moved from ex UK/4.3 moved from ex UK/4.31 Row 2 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13</p> <p>Carriage & Performance requirements</p> <p>For gyro compass: SOLAS 74 Reg V/19 IMO Res A.424(XI) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87)</p> <p>For gyro compass for HSC: IMO Res A.694(17) IMO Res A.821(19) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349</p>	<p>EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018</p> <p>EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>And additionally for gyro compass ISO 8728:2014</p> <p>And additionally for gyro compass for HSC: ISO 16328:2014</p> <p>Or: IEC 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p>	<p>B+D B+E B+F G</p>	<p>01.11.2022 (I)</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		- IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 And additionally for gyro compass: ISO 8728:2014 And additionally for gyro compass for HSC: ISO 16328:2014			
UK/4.66 Electronic record book (ERB) as defined by SOLAS V/28 Row 1 of 2	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 Carriage & Performance requirements IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87).	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 21745:2019 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09	B		20.03.2024

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.2.0:2014 IEC 62923-1:2018 IEC 62923-2:2018 ISO 21745:2019			
UK/4.66 Electronic record book (ERB) as defined by SOLAS V/28 Row 2 of 2 (NEW ROW)	Type Approval Requirements SOLAS 74 Reg V/18 SOLAS 74 Reg V/28 SOLAS 74 Reg X/3 IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13 Carriage & Performance requirements IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 13, IMO Res MSC.97(73)-(2000 HSC Code) 13, IMO Res MSC.191(79) IMO Res MSC.302(87) IMO Res. A.916(22) IMO Res.MSC.333(90)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ISO 21745:2019 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 	B+D B+E	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018 ISO 21745:2019			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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5. Radio-communication equipment

Notes applicable to section 5: Radio-communication equipment.

Column 3: In case of conflicting requirements between IMO MSC/Circ.862 and the product testing standards, the IMO MSC/Circ.862 requirements shall take precedence.

Column 3: In case of conflicting conditions, requirements and tests between Table 5 and Table 6 of IEC 60945 and other listed standards (i.e. ETSI standards), the IEC 60945 conditions, requirements and tests shall take precedence.

<p>UK/5.1</p> <p>VHF Radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 1 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14.</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2011 + A1:2016 ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 843-2 V2.1.1:2016-03 ETSI EN 301 925 V1.5.1:2017-10</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>29.08.2021 (III)</p>
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.385(X) IMO Res A.524(13) IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,IMO MSC/Circ.862 IMO MSC .1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-14 (09/15)</p>				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/5.1</p> <p>VHF Radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 2 of 6</p>	<p>ITU-R M.541-10 (10/15)</p> <p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14.</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.385(X) IMO Res A.524(13) IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,IMO MSC/Circ.862 IMO MSC .1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-14 (09/15) ITU-R M.541-10 (10/15)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 843-2 V2.2.1:2017-11 ETSI EN 301 925 V1.5.1:2017-10 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-7:1996 with A1:2018 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>12.08.2023 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/5.1</p> <p>VHF Radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 3 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.385(X) IMO Res A.524(13) IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,IMO Res.MSC.302(87) IMO MSC/Circ.862 IMO MSC .1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-15 (01/19) ITU-R M.541-10 (10/15)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 843-2 V2.2.1:2017-11 ETSI EN 301 925 V1.5.1:2017-10 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-7:1996 with A1:2018 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>15.08.2020</p>	<p>25.08.2024 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/5.1</p> <p>VHF Radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 4 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.385(X) IMO Res A.524(13) IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,IMO MSC/Circ.862 IMO MSC .1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-14 (01/19) ITU-R M.541-10 (10/15)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 301 843-2 V2.2.1:2017-11 ETSI EN 301 925 V1.5.1:2020-10 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-7:1996 with A1:2018 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	<p>01.01.2024 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/5.1</p> <p>VHF Radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Row 5 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.385(X) IMO Res A.524(13) IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14. IMO MSC/Circ.862 IMO MSC .1/Circ.1460 Rev.2 IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-15 (09/19) ITU-R M.541-10 (10/15)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 301 843-2 V2.2.1:2017-11 ETSI EN 301 925 V1.6.1:2020-10 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-7:1996 with A1:2018 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>01.07.2022</p>	<p>31.12.2027 (l)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
UK/5.1 VHF radio capable of transmitting and receiving DSC and radiotelephony Row 6 of 6 (NEW ROW)	<p>Type approval requirements</p> SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14	IEC 60945:2002 inc. IEC 60945 Corr. 1:2008, EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008+A1:2020+ A2:2014 - EN IEC 61162-450:2018, ETSI EN 300 338-1 V1.5.1:2019-09, ETSI EN 300 338-2 V1.5.1:2020-06, ETSI EN 301 843-2 V2.2.1:2017-11, ETSI EN 301 925 V1.6.1:2020-10, EN IEC 62923-1:2018, EN IEC 62923-2:2018. Or: IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 Corr. 1:2008, IEC 61097-3:2017, IEC 61097-7:1996 with A1:2018 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 62923-1:2018 IEC 62923-2:2018.			
UK/5.2 VHF DSC watch-keeping receiver Row 1 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14, Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-14 (09/15) ITU-R M.541-10 (10/15)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2011 + A1:2016 ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843 V2.1.1:2016-03	B+D B+E B+F	19.06.2018	29.08.2021 (III)
UK/5.2 VHF DSC watch-keeping receiver Row 2 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14.	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014	B+D B+E B+F	13.09.2019	12.08.2023 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14,IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-1 (09/15) ITU-R M.541-10 (10/15)</p>	<p>- EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.4.2:2017-11 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843 V2.1.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.2</p> <p>VHF DSC watch-keeping receiver</p> <p>Row 3 of 5</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14.</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.4.1:2017-02</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>25.08.2024 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.803(19) IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14. IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-15 (09/19) ITU-R M.541-10 (10/15)	ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843-2 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.2 VHF DSC watch-keeping receiver Row 4 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14. Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.803(19)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843-2 V2.2.1:2017-11 IEC 62923-1:2018	B+D B+E B+F	25.08.2021	10.10.2026 (l)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	IMO Res MSC.36(63)- (1994 HSC Code 14), IMO Res MSC.97(73)- (2000 HSC Code) 14, IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.489-2 (10/95) ITU-R M.493-15 (01/19) ITU-R M.541-10 (10/15)	IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 - IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018					
UK/5.2 VHF DSC watch-keeping receiver Row 5 of 5 (NEW ROW)	<table border="1"> <tr> <td data-bbox="546 863 1077 1145"> Type approval requirements SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14. </td> <td data-bbox="546 1145 1077 1386"> Carriage and performance requirements SOLAS 74 Reg. IV/7 SOLAS 74 Reg. X/3 IMO Res. A.694(17) IMO Res. A.803(19) </td> </tr> </table>	Type approval requirements SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14.	Carriage and performance requirements SOLAS 74 Reg. IV/7 SOLAS 74 Reg. X/3 IMO Res. A.694(17) IMO Res. A.803(19)	EN 60945:2002 incl. IEC 60945 Corr.1:2008, EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008+A1:2010+A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 338-7 V1.1.1:2022-04 ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843-2 V2.2.1:2017-11 EN IEC 62923-1:2018 EN IEC 62923-2:2018	B+D B+E B+F		
Type approval requirements SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14.	Carriage and performance requirements SOLAS 74 Reg. IV/7 SOLAS 74 Reg. X/3 IMO Res. A.694(17) IMO Res. A.803(19)						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code 14) IMO Res. MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.489-2(10/95) ITU-R M.493-15 (01/19) ITU-R M.541-10(10-15)	Or: IEC 60945:2002 incl. IEC 60945 Corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0-11 and A2 Ed.1.0:2014-07 IEC 62923-1:2018 IEC 62923-2:2018					
UK/5.3 NAVTEX receiver Row 1 of 4	<table border="1"> <tr> <td data-bbox="546 871 1077 1118"> Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14. </td> <td data-bbox="546 1118 1077 1394"> Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14, </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14.	Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14,	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2011 + A1:2016 ETSI EN 300 065-1 V1.2.1:2009-01 ETSI EN 301 843-2 V2.1.1:2016-03 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series:	B+D B+E B+F	19.06.2018	29.08.2021 (III)
Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14.	Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14,						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res MSC.148(77) IMO COMSAR/Circ.32 ITU-R M.540-2 (06/90) ITU-R M.625-4 (03/12)	<ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450 Ed. 1.0:2011-06 with A1:2016 IEC 61097-6:2005			
UK/5.3 NAVTEX receiver Row 2 of 4	<p>Type Approval Requirements</p> SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14. <hr/> <p>Carriage & Performance requirements</p> SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14, IMO Res MSC.148(77) IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.540-2 (06/90) ITU-R M.625-4 (03/12)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 065-1 V1.2.1:2009-01 ETSI EN 301 843-4 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 	B+D B+E B+F	13.09.2019	12.08.2023 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-450:2018 IEC 61097-6:2005 IEC 62923-1:2018 IEC 62923-2:2018 			
<p>UK/5.3 NAVTEX receiver Row 3 of 4</p>	<p>Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14, IMO Res MSC.148(77) IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.540-2 (06/90) ITU-R M.625-4 (03/12)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 </p> <p>ETSI EN 300 065-1 V1.2.1:2009-01 ETSI EN 301 843-4 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 </p> <p>IEC 61097-6:2012-01 + A1:2011 + A2:2019 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>30.06.2025 (I)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/5.3 NAVTEX receiver Row 4 of 4 (NEW ROW)</p>	<p>Type approval requirements SOLAS 74 Reg. IV/14, SOLAS 74 Reg. X/3, IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage and performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg. X/3 IMO Res.A.694(17) IMO Res.MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res.MSC.148(77) IMO Res.MSC.191(79) IMO Res.MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.540-2(06-90) ITU-R M.625-4(03/12)</p>	<p>EN 60945:2002 incl. IEC 60945 Corr. 1:2008, EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010+ A2:2014 - EN IEC 61162-450:2018</p> <p>ETSI EN 300 065-1 V1.2.1:2009-01 ETSI EN 301 843-4 V2.2.1:2017-11 EN IEC 62228:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 Corr. 1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 61097-6:2012-01+A1:2011+A2:2019 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>UK/5.4 EGC receiver Row 1 of 4</p>	<p>Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.570(14) IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.306(87) IMO COMSAR/Circ.32</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2011 + A1:2016</p> <p>ETSI EN 300 460 Ed.1:1996-05 ETSI EN 300 460/A1:1997-11 ETSI EN 301 843-1 V2.1.1:2016-03</p> <p>Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-4:2012 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450 Ed.1.0:2011-06 with A1:2016</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>29.08.2021 (III)</p>
<p>UK/5.4 EGC receiver Row 2 of 4</p>	<p>Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>12.08.2023 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.570(14) IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO Res MSC.306(87) IMO COMSAR/Circ.32</p>	<ul style="list-style-type: none"> - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 <p>ETSI ETS 300 460 Ed.1:1996-05 ETSI ETS 300 460/A1:1997-11 ETSI EN 301 843-1 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-4:2012 IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 <p>IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.4</p> <p>EGC receiver</p> <p>Row 3 of 4</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 + A1:2010 + A2:2014 - EN IEC 61162-450:2018 <p>ETSI EN 300 460 Ed.1:1996-05 ETSI EN 300 460/A1:1997-11</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>30.06.2025</p> <p>(I)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg X/3 IMO Res A.570(14) IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO Res MSC.306(87) IMO COMSAR/Circ.32	ETSI EN 301 843-1 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-4:2012 +A1:2016 +A2:2019 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.4 EGC receiver Row 4 of 4 (NEW ROW)	Type approval requirements SOLAS 74 Reg. IV/14 SOLAS Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14	EN 60945:2002 incl. IEC 60945 Corr. 1:2008 EN 61162 series - EN 61162-1:2016 - EN 61162-2:2998 - EN 61162-3:2008+A1:2010+ A2:2014 - EN IEC 61162-450:2018 ETSI ETS 300 460 Ed.1:1996-05 ETSI ETS 300 460/A1:1997-11	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	<p>Carriage and performance requirements</p> <p>SOLAS 74 Reg. IV/7 SOLAS 74 Reg. X/3 IMO Res.A.570(14) IMO Res.A.694(17) IMO Res.MSC.36(63)-(1994) HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res. 191(79) IMO Res.302(87) IMO Res.MSC.306(87) IMO COMSAR/Circ.32</p>	<p>ETSI EN 301 843-1 V2.2.1:2017-11 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 Corr.1:2008 IEC 61097-4:2012+A1:2016+A2:2019 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed.1.0:2010-11 and A2:Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>			
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<p>UK/5.5</p> <p>HF marine safety information (MSI) equipment (HF NBDP receiver)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>29.08.2021 (III)</p>
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 3	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.699(17) IMO Res A.700(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.492-6(10/95) ITU-R M.540-2(06/90) ITU-R M.625-4(03/12) ITU-R M.688(06/90)</p>	<p>- EN IEC 61162-450:2011 +A1:2016 ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450 Ed.1.0:2011-06 with A1:2016 ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10</p>			
<p>UK/5.5</p> <p>HF marine safety information (MSI) equipment (HF NBDP receiver)</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/7</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 067 Ed.1:1990-11 ETSI EN 300 067/A1 Ed.1:1993-10</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>30.06.2025 (l)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.699(17) IMO Res A.700(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.492-6(10/95) ITU-R M.540-2(06/90) ITU-R M.625-4(03/12) ITU-R M.688(06/90)	Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.5 HF marine safety (MSI) equipment (HF NBDP receiver) Row 3 of 3 (NEW ROW)	Type approval requirements SOLAS 74 Reg. IV/14 SOLAS Reg. X/3 IMO Res.MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage and performance requirements SOLAS 74 Reg. IV/7 SOLAS 74 Reg. X/3 IMO Res.A.694(17) IMO Res. A.699(17) IMO Res. A.700(17)	EN 60945:2002 incl. IEC 60945 Corr. 1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008+A1:2010+A2:2014 - EN IEC 61162-450:2018 ETSI ETS 300 0676 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or:	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board		
	IMO Res.A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res.MSC.191(79) IMO Res.MSC.302(87) IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.492-6(10/95) ITU-R M.540-2(06/90) ITU-R M.625-4(03/12) ITU-R M.655(06/90)	IEC 60945:2002 incl. IEC 60945 Corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018					
UK/5.6 406MHz EPIRB (COSPAS-SARSAT) Row 1 of 1	<table border="1"> <tr> <td data-bbox="546 868 1077 1150"> Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 </td> <td data-bbox="546 1150 1077 1394"> Carriage & Performance requirements SOLAS 74 Reg IV/7 IMO Res A.662(16) IMO Res A.694(17) IMO Res A.471(101) IMO Res. MSC.36(63)-(1994 HSC Code) 14, </td> </tr> </table>	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14	Carriage & Performance requirements SOLAS 74 Reg IV/7 IMO Res A.662(16) IMO Res A.694(17) IMO Res A.471(101) IMO Res. MSC.36(63)-(1994 HSC Code) 14,	IMO MSC/Circ.862 Note: IMO MSC/Circ.862 is applicable only to the optional remote activation device, not to the EPIRB itself IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-2 Ed.4.0:2021	B+D B+E B+F	01.07.2022	
Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14	Carriage & Performance requirements SOLAS 74 Reg IV/7 IMO Res A.662(16) IMO Res A.694(17) IMO Res A.471(101) IMO Res. MSC.36(63)-(1994 HSC Code) 14,						

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO MSC/Circ.862 IMO COMSAR/Circ.32 ITU-R M.633-4(12/10) ITU-R M.690-3(03/15)				
Item UK/5.7, L band EPIRB (INMARSAT), - deliberately left blank					
Item UK/5.8, MF DSC Receiver, - deliberately left blank					
Item UK/5.9, Two-tone alarm generator -deliberately left blank					
<p>UK/5.10</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on H3E are no longer applicable in the testing standards</p> <p>Row 1 of 4</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2011 + A1:2016 ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.1.1:2016-03</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>29.08.2021 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)				
UK/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on H3E are no longer applicable in the testing standards Row 2 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 <hr/> Carriage & Performance requirements SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.493-14(09/15) ITU-R M.541-10(10/15)	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.4.2:2017-11 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09	B+D B+E B+F	13.09.2019	12.08.2023 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	ITU-R M.1173-1(03/12)	<ul style="list-style-type: none"> - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on H3E are no longer applicable in the testing standards Row 3 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.493-14(09/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 	B+D B+E B+F	12.08.2020	25.08.2024 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.10 MF radio capable of transmitting and receiving DSC and radiotelephony Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on H3E are no longer applicable in the testing standards Row 4 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07	B+D B+E B+F	25.08.2021	30.06.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018 			
<p>UK/5.10</p> <p>MF radio capable of transmitting and receiving DSC and radiotelephony</p> <p>Note: In line with IMO and ITU decisions, the requirements for Two Tone Alarm generator and transmission on H3E are no longer applicable in testing standards</p> <p>Row 5 of 5 (NEW ROW)</p>	<p>Type approval requirements</p> <p>SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage and performance requirements</p> <p>SOLAS 74 Reg. IV/9 SOLAS 74 Reg. IV/10 IMO Res. A.694(17) IMO Res. A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO MSC.191(79) IMO Res.MSC.302(87) IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.493-15 (01/19)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 Corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008+A1:2010+ A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 338-7 V1.1.1:2022-04 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-011 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 6045:2002 incl.60945 Corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed.</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	ITU-R M.541-10 (10-15) ITU-R M.1173-1 (03/12)	1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.11 MF DSC watch keeping receiver Row 1 of 5	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO COMSAR/Circ.32 ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2011 +A1:2016 ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2016-03	B+D B+E B+F	19.06.2018	29.08.2021 (III)
UK/5.11	Type Approval Requirements		B+D	13.09.2019	12.08.2023

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
MF DSC watch keeping receiver Row 2 of 5	<p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)</p>	<p>EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.4.2:2017-11 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+E B+F</p>		<p>(III)</p>
UK/5.11	Type Approval Requirements SOLAS 74 Reg IV/14	EN 60945:2002 incl. IEC 60945 corr. 1:2008	B+D	12.08.2020	25.08.2024 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
MF DSC watch keeping receiver Row 3 of 5	SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)	EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018	B+E B+F		
UK/5.11 MF DSC watch keeping receiver	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14,	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998	B+D B+E B+F	25.08.2021	30.06.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 4 of 5	<p>IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/9 SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)</p>	<ul style="list-style-type: none"> - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 <p>ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 <p>IEC 62923-1:2018 IEC 62923-2:2018</p>			
UK/5.11 MF DSC watch-keeping receiver Row 5 of 5 (NEW ROW)	<p>Type approval requirements</p> <p>SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14</p>	<p>EN 60945:2002 incl. IEC 60945 Corr.1:2008 EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008+A1:2010+ A2:2014 	E3		

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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	<p>Carriage and performance requirements</p> <p>SOLAS 74 Reg. IV/9 SOLAS 74 Reg. IV/10 SOLAS 74 Reg. X3 IMO Res. A.694(17) IMO Res. A.804(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res. MSC.191(79) IMO Res. MSC.302(87) IMO COMSA/Circ.32 ITU-R M.493-15 (01/19) ITU-R M.541-10 (10/15) ITU-R M.113-1 (03/12)</p>	<p>- EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 338-7 V1.1.1:2022-04 ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 EN IEC 62288:2022 EN IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 Corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed. 3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>			
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Item UK/5.12 Inmarsat B-SES this item has been deleted as Inmarsat B-SES service has been discontinued as of 31 December 2016

UK/5.13	Type Approval Requirements	IMO MSC/Circ.862	B+D	19.06.2018	29.08.2021
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Approved SES Row 1 of 3</p>	<p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.570(14) IMO Res A.664(16)</p> <p>Note: for Res A.664(16) applicable only if the approved SES supports EGC functions</p> <p>IMO Res A.694(17) IMO Res A.807(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.306(87) IMO MSC/Circ.862 IMO COMSAR/Circ.32</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2011 +A1:2016</p> <p>ETSI EN 300 460 Ed.1:1996-05 ETSI EN 300 460/A1:1997-11 ETSI EN 301 843-1 V2.1.1:2016-03</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-4:2012 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2011-06 with A1:2016</p>	<p>B+E B+F</p>		<p>(III)</p>
<p>UK/5.13 Approved SES Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998</p>	<p>B+D B+E B+F</p>		<p>12.08.2023 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.570(14) IMO Res A.664(16)</p> <p>Note: for Res A.664(16) applicable only if the approved SES supports EGC functions.</p> <p>IMO Res A.694(17) IMO Res A.807(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO Res MSC.306(87) IMO MSC/Circ.862 IMO COMSAR/Circ.32</p>	<p>EN 61162-3:2008 +A1:2010 +A2:2014 EN 61162-450:2018 ETSI EN 300 460 Ed.1:1996-05 ETSI EN 300 460/A1:1997-11 ETSI EN 301 843-1 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-4:2012 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.13</p> <p>Approved SES</p> <p>Row 3 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI ETS 300 460 Ed.1:1996-05</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.570(14) IMO Res A.664(16)</p> <p>Note: for Res A.664(16) applicable only if the approved SES supports EGC functions</p> <p>IMO Res A.694(17) IMO Res A.807(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO Res MSC.306(87) IMO MSC/Circ.862 IMO COMSAR/Circ.32</p>	<p>ETSI ETS 300 460/A1:1997-11 ETSI EN 301 843-1 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-4:2012 +A1:2016 +A2:2019 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on A3E are no</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2011 +A1:2016 ETSI ETS 300 067 Ed.1:1990-11</p>	<p>B+D B+E B+F</p>	<p>19.06.2018</p>	<p>29.08.2021 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>longer applicable in the testing standards</p> <p>Row 1 of 6</p>	<p>IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO MSC/Circ.862 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.476-5(10/95) ITU-R M.492-6(10/95) ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.625-4(03/12) ITU-R M.1173-1(03/12)</p>	<p>ETSI ETS 300 067/A1 Ed.1:1993-10 ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 300 843-5 V2.1.1:2016-03</p>			
<p>UK/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on A3E are no longer applicable in the testing standards</p> <p>Row 2 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87)</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018</p> <p>ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 ETSI EN 300 338-1 V1.4.2:2017-11 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>12.08.2023 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO MSC/Circ.862 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.476-5(10/95) ITU-R M.492-6(10/95) ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.625-4(03/12) ITU-R M.1173-1(03/12)	Or: IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2:1998 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on A3E are no longer applicable in the testing standards Note: Equipment is exempted from two-way Narrow-Band Direct-Printing (NBDP) for distress	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14,	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018	B+D B+E B+F	12.08.2020	25.05.2024 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>and safety communications in the High Frequency (HF) band from 1/1/2024</p> <p>Row 3 of 6</p>	<p>IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC/Circ.862 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.476-5(10/95) ITU-R M.492-6(10/95) ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.625-4(03/12) ITU-R M.1173-1(03/12)</p>	<p>IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2:1998 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018</p> <p>IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony</p> <p>Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on A3E are no longer applicable in the testing standards</p> <p>Note: Equipment is exempted from two-way Narrow-Band Direct-</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018</p> <p>ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	<p>15.08.2025 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Printing (NBDP) for distress and safety communications in the High Frequency (HF) band from 1/1/2024 Row 4 of 6	IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC/Circ.862 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.476-5(10/95) ITU-R M.492-6(10/95) ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.625-4(03/12) ITU-R M.1173-1(03/12)	IEC 62923-1:2018 IEC 62923-2:2018 Or: IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephony Note: In line with IMO and ITU decisions, the requirements for two tone alarm generator and transmission on A3E are no longer applicable in the testing standards	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19)	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI ETS 300 067 Ed.1:1990-11 ETSI ETS 300 067/A1 Ed.1:1993-10 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06	B+D B+E B+F	01.07.2022	30.06.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Note: Equipment is exempted from two-way Narrow-Band Direct-Printing (NBDP) for distress and safety communications in the High Frequency (HF) band from 1/1/2024</p> <p>Row 5 of 6</p>	<p>IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO MSC/Circ.862 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.476-5(10/95) ITU-R M.492-6(10/95) ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.625-4(03/12) ITU-R M.1173-1(03/12)</p>	<p>ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.14</p> <p>MF/HF radio capable of transmitting and receiving DSC, NBDP and radiotelephone</p> <p>Note: In line with IMO and ITU decisions, the requirements for Two Tone</p>	<p>Type approval requirements</p> <p>SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p>	<p>IMO MSC/Circ.862 En 60945:2002 INCL. IEC 60945 Corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008+A1:2010+ A2:2014 - EN IEC 61162-450:2018 ETSI ETS 300 067 Ed.1:1990-11</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Alarm generator and transmission on A4H are no longer applicable in testing standards</p> <p>Note: Equipment is exempted from two-way Narrow-Band Direct-Printing (NBDP) for distress and safety communications in the High Frequency (HF) band from 1/1/2024</p> <p>Row 6 of 6 (NEW ROW)</p>	<p>Carriage and performance requirements</p> <p>SOLAS 74 Reg. IV/10 SOLAS 74 Reg. X/3 IMO Res. A.694(17) IMO Res. A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 MSC.191(79) IMO Res. MSC.302(87) IMO MSC/Circ.862 IMO MSC.1/Circ.1460 IMO COMSAR/Circ.32 ITU-R M.476-5(10/95) ITU-R M.492-6(10/95) ITU-R M.493-15 (01/19) ITU-R M.541-10 (10/15) ITU-R M.625-4 (03/12) ITU-R M.1173-1 (03/12)</p>	<p>ETSI ETS 300 067/a1 Ed.1:1993-10 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 300 338-7 V1.1.1:2022-04 ETSI EN 300 373-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 Corr.1:2008 IEC 61097-3:2017 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>			
UK/5.15	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14</p>	EN 60945:2002 incl. IEC 60945 corr.1:2008	B+D	19.06.2018	29.08.2021 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
MF/HF DSC scanning watch keeping receiver Row 1 of 6	<p>SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO COMSAR/Circ.32 ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)</p>	<p>EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2011 +A1:2016 <p>ETSI EN 300 338-1 V1.4.1:2017-02 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.1.1:2016-03</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:1994 IEC 61097-8:1998</p> <p>IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450 Ed.1.0:2011-06 with A1:2016 	<p>B+E B+F</p>		
UK/5.15 MF/HF DSC scanning watch keeping receiver	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>12.08.2023 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 2 of 6	<p>IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-14(09/15) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)</p>	<p>- EN 61162-3:2008 +A1:2010 +A2:2014 - IEC 61162-450:2018</p> <p>ETSI EN 300 338-1 V1.4.2:2017-11 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 3 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	<p>25.08.2024</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)</p>	<p>- EN 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09 ETSI EN 300 338-2 V1.4.1:2017-02 ETSI EN 301 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.15</p> <p>MF/HF DSC scanning watch keeping receiver</p> <p>Row 4 of 6</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.5.1:2019-09</p>	<p>B+D B+E B+F</p>	<p>25.08.2020</p>	<p>15.08.2025 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)	ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 301 033-1 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.15 MF/HF DSC scanning watch keeping receiver Row 5 of 6	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 Carriage & Performance requirements SOLAS 74 Reg IV/10 SOLAS 74 Reg X/3	EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN 61162-450:2018 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06 ETSI EN 301 033-1 V1.4.1:2013-09	B+D B+E B+F	01.07.2022	30.06.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res A.694(17) IMO Res A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-15(01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1(03/12)	ETSI EN 301 843-5 V2.2.1:2017-11 IEC 62923-1:2018 IEC 62923-2:2018 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-3:2017 IEC 61097-8:1998 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 62923-1:2018 IEC 62923-2:2018			
UK/5.15 MF/HF DSC scanning watch keeping receiver Row 6 of 6 (NEW ROW)	Type approval requirements SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14	EN 60945:2002 incl. IEC 60945 Corr. 1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010+A2:2014 - EN IEC 61162-450:2018 ETSI EN 300 338-1 V1.6.1:2021-05 ETSI EN 300 338-2 V1.5.1:2020-06	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>Carriage and performance requirements</p> <p>SOLAS 74 Reg. IV/10 SOLAS 74 Reg. X/3 IMO Res. A.694(17) IMO Res. A.806(19) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res. MSC.191(79) IMO Res. MSC.302(87) IMO COMSAR/Circ.32 ITU-R M.493-15 (01/19) ITU-R M.541-10(10/15) ITU-R M.1173-1 (03/12)</p>	<p>ETSI EN 300 338-7 V1.1.1:2022-04 ETSI EN 301 033 V1.4.1:2013-09 ETSI EN 301 843-5 V2.2.1:2017-11 EN IEC 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 Corr. 1:2008 EN 61097-3:2017 IEC 61097-8:1998 IEC 61097-9:1997 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed.1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed.1.0:2014-07 - IEC 61162-450:2018 IEC 62288 Ed.3.0:2021 IEC 62923-1:2018 IEC 62923-2:2018</p>			
<p>UK/5.16</p> <p>Aeronautical two-way VHF radio telephone apparatus</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p>	<p>ETSI EN 301 688 V1.2.1:2016-03 EN 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>Or:</p>	<p>B+D B+E B+F</p>	<p>12.08.2020</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 1 of 1	<p>IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74/2009 Reg IV/7 IMO Res A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.80(70) IMO COMSAR/Circ.32 ICAO Convention Annex 10 Radio Regulations</p>	<p>ETSI EN 301 688 V1.2.1:2016-03 IEC 60945:2002 incl. IEC 60945 corr.1:2008</p>			
<p>UK/5.17</p> <p>Portable survival craft two-way VHF radiotelephone apparatus</p> <p>Row 1 of 2</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg III/6 IMO Res A.694(17) IMO Res A.809(19) IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.36(63)-(1994 HSC Code) 14,</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 ETSI EN 300 225 V1.5.1:2015-12 ETSI EN 301 843-2 V2.2.1:2017-11</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-12:1996 +A1:2017</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>10.10.2026 (II)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.97(73)-(2000 HSC Code) 14, IMO Res MSC.149(77) ITU-R M.489-2(10/95)				
<p>UK/5.17</p> <p>Portable survival craft two-way VHF radiotelephone apparatus</p> <p>Row 2 of 2</p> <p>(NEW ROW)</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14</p> <p>Carriage and performance requirements</p> <p>SOLAS 74 Reg III/6 IMO Res A.694(17) IMO Res A.809(19) IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.97(73)-(2000 HSC Code) 14, IMO Res. MSC.149(77) IMO Res. MSC.515(105) ITU-R M.489-2(10/95)</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008 ETSI EN 300 225 V1.5.1:2015-12 ETSI EN 301 843-2 V2.2.1:2017-11</p> <p>Or:</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>IEC 61097-12:1996 +A1:2017</p>	<p>B+D B+E B+F</p>	<p>21.03.2024</p>	
<p>UK/5.18</p>	<p>Type Approval Requirements</p>	<p>EN 60945:2002 incl. IEC 60945 corr.1:2008</p>	<p>B+D</p>	<p>19.06.2018</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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Fixed survival craft two-way radiotelephone apparatus Row 1 of 1	SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 14, Carriage & Performance requirements SOLAS 74 Reg III/6 IMO Res A.694(17) IMO Res A.809(19) IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.36(63)-(1994 HSC Code) 14, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.97(73)-(2000 HSC Code) 14, ITU R M.489-2 (10/95)	ETSI EN 301 466 V1.2.1:2015-12 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61097-12:1996 +A1:2017	B+E B+F		
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Item UK/5.19 Deleted as the Inmarsat F77 system has been discontinued as from 1 December 2020

UK/5.20 Fire-fighter's two-way radiotelephone apparatus Row 1 of 2	Type Approval Requirements SOLAS 74 Reg II-2/2 SOLAS 74 Reg II-2/10 Carriage & Performance requirements SOLAS 74/2014 Reg II-2/10 IMO Res A.694(17)	EN 60945:2002 incl. IEC 60945 corr.1:2008 ETSI EN 301 843-1 V2.2.1:2017-11 ETSI EN 301 843-2 V2.2.1:2017-11 ATEX directive 2014/34/EU or UKEx (a) UHF portable radios ETSI EN 300 720 V2.1.1:2017-01 (b) VHF portable radios	B+D B+E B+F		10.10.2026 (II)
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Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	IMO MSC.1 Circ.1616 ITU-R M.489-2(10/95) ITU-R M.1174-4(10/2019) (new provision)	ETSI EN 301 178 V2.2.2:2017-04 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 ETSI EN 301 843-1 V2.2.1:2017-11 ETSI EN 301 843-2 V2.2.1:2017-11 ATEX directive 2014/34/EU or UKEx (a) UHF portable radios ETSI EN 300 720 V2.1.1:2017-01 (b) VHF portable radios ETSI EN 301 178 V2.2.2:2017-04			
UK/5.20 Fire-fighter's two-way radiotelephone apparatus	Type Approval Requirements SOLAS 74 Reg II-2/2 SOLAS 74 Reg II-2/10	EN 60945:2002 incl. IEC 60945 corr.1:2008 ETSI EN 301 843-1 V2.2.1:2017-11 ETSI EN 301 843-2 V2.2.1:2017-11 EN 60079 series (a) UHF portable radios	B+D B+E B+F	21.03.2024	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 2 of 2 (NEW ROW)	Carriage and performance requirements SOLAS 74/2014 Reg. II-2/10 IMO Res. A694(17) IMO MSC.1 Circ.1616 ITU-R M.489-2 (10-95) ITU-R M.1174-4(10/2019)	ETSI EN 300 720 V2.1.1:2017-01 (b) VHF portable radios ETSI EN 301 178 V2.2.2:2017-04 Or: IEC 60945:2002 incl. IEC 60945 corr.1:2008 ETSI EN 301 843-1 V2.2.1:2017-11 ETSI EN 301 843-2 V2.2.1:2017-11 EN 60079 series (a) UHF portable radios ETSI EN 300 720 V2.1.1:2017-01 (b) VHF portable radios ETSI EN 301 178 V2.2.2:2017-04			
UK/5.21 Integrated communication system (ICS) Row 1 of 3	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.811(19) IMO Res MSC.36(63)-(1994 HSC Code) 14 IMO Res MSC.97(73)-(2000 HSC Code) 14	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 EN 62940:2017 EN 61924-2:2013 incl. IEC 61924-2 corr.1:2013 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018	B+D B+E B+F		01.07.2025 (I)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>IMO Res MSC.191(793) IMO Res MSC.302(87) IMO MSC.1/Circ.1389 IMO COMSAR/Circ.32</p> <p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply</p>	<p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07</p> <p>IEC 62940:2016 EN 61924-2:2012 incl. IEC 61924-2 corr.1:2013 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</p>			
<p>UK/5.21 Integrated communication system (ICS) Row 2 of 3</p>	<p>Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements SOLAS 74 Reg IV/14</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998</p>	<p>B+D B+E B+F</p>	<p>01.07.2022</p>	<p>30.06.2025 (I)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
	<p>SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.811(19) IMO Res MSC.36(63)-(1994 HSC Code) 14 IMO Res MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1389 IMO COMSAR/Circ.32</p> <p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</p>	<ul style="list-style-type: none"> - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 <p>EN 62940:2017 EN 61924-2:2021 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 <p>EN 62940:2016 EN 61924-2:2021 EN 62288:2014 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>For GMDSS functions and units included in the ICS, the</p>			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		performance requirements for those functions and units apply.			
UK/5.21 Integrated communication system (ICS) Row 3 of 3	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 IMO Res A.694(17) IMO Res A.811(19) IMO Res MSC.36(63)-(1994 HSC Code) 14 IMO Res MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1389 IMO COMSAR/Circ.32</p> <p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018</p> <p>EN 62940:2017 EN 61924-2:2021 EN 62288:2022 EN IEC 62923-1:2018 EN IEC 62923-2:2018</p> <p>For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.</p> <p>Or:</p> <p>IMO MSC/Circ.862 IEC 60945:2002 incl. IEC 60945 corr.1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018</p>	<p>B+D B+E B+F</p>	<p>01.07.2022</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		EN 62940:2016 EN 61924-2:2021 EN 62288 Ed.3.0:2021 EN IEC 62923-1:2018 EN IEC 62923-2:2018 For GMDSS functions and units included in the ICS, the performance requirements for those functions and units apply.			
UK/5.22 Ship earth station for use in the GMDSS Inmarsat C equipment: Inmarsat Fleet Broad Band (FBB equipment and Iridium equipment): New item added by MSN 1874 (amendment 5). Ex UK/9.5.9 Row 1 of 3	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 Carriage & Performance requirements SOLAS 74 Reg IV/10 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 14 IMO Res MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO Res MSC.434(98) IMO MSC.1/Circ.862 IMO COMSAR/Circ.32	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 EN IEC 62923-1:2018 EN IEC 62923-2:2018 ETSI EN 301 441 V2.1.1:2016 IEC 61097-16:2019 Or: IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 Corr.1:2008 ETSI EN 301 441 V2.1.1:2016 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed. 1.0:1998-09	B+D B+E B+F	12.08.2020	25.08.2024 (III)

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<ul style="list-style-type: none"> - IEC 61162-3 Ed. 1.2 Consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 61097-16:2019 IEC 62923-1:2018 IEC 62923-2:2018 And additionally, for Approved SES equipment: ETSI ETS 300 460:1996+A1:1997			
<p>UK/5.22</p> <p>Ship earth station for use in the GMDSS</p> <p>Inmarsat C equipment:</p> <p>Inmarsat Fleet Broad Band (FBB equipment and Iridium equipment):</p> <p>New item added by MSN 1874 (amendment 5).</p> <p>Ex UK/9.5.9</p> <p>Row 2 of 3</p>	<p>Type Approval Requirements</p> <p>SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3</p> <hr/> <p>Carriage & Performance requirements</p> <p>SOLAS 74 Reg IV/10 IMO Res A.694(17) IMO Res MSC.36(63)-(1994 HSC Code) 14 IMO Res MSC.97(73)-(2000 HSC Code) 14 IMO Res MSC.302(87) IMO Res MSC.434(98) IMO MSC.1/Circ.862 IMO COMSAR/Circ.32</p>	<p>IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr. 1:2008 EN 61162 series:</p> <ul style="list-style-type: none"> - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014 - EN IEC 61162-450:2018 <p>EN IEC 62923-1:2018 EN IEC 62923-2:2018 IEC 61097-16:2019</p> <p>And additionally for Inmarsat Fleet Broad Band (FBB) equipment: ETSI EN 301 444 V2.1.2:2016</p> <p>And additionally for Iridium equipment: ETSI EN 301 441 V2.1.1:2016</p> <p>Or: IMO MSC/Circ.862</p>	<p>B+D B+E B+F</p>	<p>25.08.2021</p>	<p>15.08.2025 (III)</p>

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		IEC 60945:2002 incl. IEC 60945 corr. 1:2008 IEC 61162 series: - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 IEC 61097-16:2019 EN IEC 62923-1:2018 EN IEC 62923-2:2018 And additionally for Inmarsat C equipment: ETSI EN 300 460:1996 +A1:1997 And additionally for Inmarsat Fleet Broad Band (FBB) equipment: ETSI EN 301 444 V2.1.2:2016 And additionally for Iridium equipment ETSI EN 301 441 V2.1.1:2016			
UK/5.22 Ship earth station for use in the GMDSS Inmarsat C equipment:	Type Approval Requirements SOLAS 74 Reg IV/14 SOLAS 74 Reg X/3 <hr/> Carriage & Performance requirements SOLAS 74 Reg IV/10 IMO Res A.694(17)	IMO MSC/Circ.862 EN 60945:2002 incl. IEC 60945 corr.1:2008 EN 61162 series: - EN 61162-1:2016 - EN 61162-2:1998 - EN 61162-3:2008 +A1:2010 +A2:2014	B+D B+E B+F	01.07.2022	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
<p>Inmarsat Fleet Broad Band (FBB equipment and Iridium equipment):</p> <p>New item added by MSN 1874 (amendment 5).</p> <p>Ex UK/9.5.9</p> <p>Row 3 of 3</p>	<p>IMO Res MSC.36(63)-(1994 HSC Code) 14</p> <p>IMO Res MSC.97(73)-(2000 HSC Code) 14</p> <p>IMO Res MSC.302(87)</p> <p>IMO Res MSC.434(98)</p> <p>IMO MSC.1/Circ.862</p> <p>IMO COMSAR/Circ.32</p>	<p>- EN IEC 61162-450:2018</p> <p>EN IEC 62923-1:2018</p> <p>EN IEC 62923-2:2018</p> <p>IEC 61097-16:2019</p> <p><u>And additionally for Inmarsat C equipment:</u></p> <p>ETSI ETS 300 460:1996 +A1:1997</p> <p><u>And additionally for Inmarsat Fleet Broad Band (FBB) equipment:</u></p> <p>ETSI EN 301 444 V2.2.1:2021</p> <p><u>And additionally for Iridium equipment:</u></p> <p>ETSI EN 301 441 V2.1.1:2016</p> <p>Or:</p> <p>IMO MSC/Circ.862</p> <p>IEC 60945:2002 incl. IEC 60945 corr.1:2008</p> <p>IEC 61162 series:</p> <ul style="list-style-type: none"> - IEC 61162-1:2016 - IEC 61162-2 Ed.1.0:1998-09 - IEC 61162-3 Ed. 1.2 consol. with A1 Ed. 1.0:2010-11 and A2 Ed. 1.0:2014-07 - IEC 61162-450:2018 <p>IEC 61097-16:2019</p> <p>EN IEC 62923-1:2018</p> <p>EN IEC 62923-2:2018</p>			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
		<p><u>And additionally for Inmarsat C equipment:</u> ETSI ETS 300 460:1996 +A1:1997</p> <p><u>And additionally for Inmarsat Fleet Broad Band (FBB) equipment:</u> ETSI EN 301 444 V2.1.2:2021</p> <p><u>And additionally for Iridium equipment:</u> ETSI EN 301 441 V2.1.1:2016</p>			

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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6. Equipment required under COLREG

UK/6.1 Navigation lights Row 1 of 1	Type Approval Requirements COLREG 72 Annex I/14	EN 14744:2005 incl.AC:2006 EN 60945:2002 incl. IEC 60945 corr.1:2008	B+D B+E B+F G		
	Carriage & Performance requirements COLREG 72 Annex I/14 IMO Res A.694(17) IMO Res MSC.253(83)	Or: EN 14744:2005 incl.AC:2006 EN 60945:2002 incl. IEC 60945 corr.1:2008			

7. Other safety equipment

UK/7.1 Self contained compressed air operated breathing apparatus for entry and work in gas filled space Row 1 of 1	Type Approval Requirements SOLAS 74 Reg II-2/10 IMO Res MSC.98(73) – (FSS Code) 3	ISO 23269-3:2011 Note: Associated fireproof lifeline (UK/3.44): The lifeline shall be used in conjunction with the breathing apparatus and capable of being attached by means of a snap-hook to the harness of the apparatus or to a separate belt in order to prevent the breathing apparatus becoming detached when the lifeline is operated. Air breathing apparatus module B shall indicate the UK fireproof lifeline as mandatory combined component	B+D B+E B+F	19.06.2018	
	Carriage & Performance requirements SOLAS 74 Reg II-2/10 SOLAS 74 Reg II-2/15 IMO Res MSC.98(73) – (FSS Code) 3 IMO Res MSC.4(48) – (IBC Code) 14 IMO Res MSC.5(48) – (IGC Code) 14 IMO MSC.1/Circ.1499				

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
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8. Equipment under SOLAS Chapter II-1

<p>UK/8.1 Water level detectors Row 1 of 3</p>	<p>Type Approval Requirements SOLAS 74 Reg II-1/22-1 SOLAS 74 Reg II-1/25 SOLAS 74 Reg XII/12</p> <p>Carriage & Performance requirements SOLAS 74 Reg II-1/25 SOLAS 74 Reg XII/12 IMO Res A.1021(26) IMO Res MSC.188(79) IMO MSC.1/Circ.1464 Rev.1</p>	<p>IEC 60092-504:2016 IEC 60529 Ed.2.2:2013 IMO Res MSC.188(79) IMO MSC.1/Circ.1291</p>	<p>B+D B+E B+F</p>	<p>16.03.2017</p>	<p>13.09.2022 (III)</p>
<p>UK/8.1 Water level detectors Row 2 of 3</p>	<p>Type Approval Requirements SOLAS 74 Reg II-1/22-1 SOLAS 74 Reg II-1/25 SOLAS 74 Reg XII/12</p> <p>Carriage & Performance requirements SOLAS 74 Reg II-1/25 SOLAS 74 Reg XII/12 IMO Res A.1021(26) IMO Res MSC.188(79) IMO MSC.1/Circ.1572</p>	<p>IEC 60092-504:2016 IEC 60529 Ed.2.2:2013 incl. corr.1:2013 and corr.2:2015 IMO Res MSC.188(79) IMO MSC.1/Circ.1291</p>	<p>B+D B+E B+F</p>	<p>13.09.2019</p>	<p>15.08.2025 (III)</p>
<p>UK/8.1 Water level detectors</p>	<p>Type Approval Requirements SOLAS 74 Reg II-1/22-1 SOLAS 74 Reg II-1/25 SOLAS 74 Reg XII/12</p>	<p>IEC 60092-504:2016 IEC 60529 Ed.2.2:2013 incl. corr.1:2013 and corr.2:2015 IMO Res MSC.188(79)</p>	<p>B+D B+E B+F</p>	<p>29.03.2023</p>	

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	First placing on the market	Last placing on board
Row 3 of 3	Carriage & Performance requirements SOLAS 74 Reg II-1/25 SOLAS 74 Reg XII/12 IMO Res A.1021(26) IMO Res MSC.188(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1572 Rev.1	IMO MSC.1/Circ.1291 EN IEC 62923-1:2018 EN IEC 62923-2:2018 Or: IEC 60092-504:2016 IEC 60529 Ed.2.2:2013 incl. corr.1:2013 and corr.2:2015 IMO Res MSC.188(79) IMO MSC.1/Circ.1291 EN IEC 62923-1:2018 EN IEC 62923-2:2018			

9. Equipment for which the set of standards for UK certification is not complete

Note applicable to section 9: A set of standards for UK certification is deemed to be complete where:
IMO Provisions for:

- Type approval
- Carriage requirements and
- Testing standards

1. Life-saving appliances

No.	Item Description
UK/9/1.1	Radar reflectors for liferafts
UK/9/1.2	Immersion suit materials
UK/9/1.3	Float-free launching appliances for survival craft
UK/9/1.5	Public address and general emergency alarm system (when used as fire alarm device item A.1/3.53 shall apply) – Moved to UK/1.44a and UK/1.44b by MSN 1874 amendment 7
UK/9/2.3	Equipment using other equivalent methods to reduce on board NOx emissions
UK/9/2.4	Equipment using other technological methods to limit Sox emissions
UK/9/2.5	On board NOx analyzers using a measurement method other than the direct measurement and monitoring method of the NOx Technical code 2008

2. Marine pollution prevention equipment

No.	Item Description
UK/9/2.3	Equipment using other equivalent methods to reduce on board NOx emissions
UK/9/2.4	Equipment using other technological methods to limit SOx emissions

UK/9/2.5	On board NOx analyzers using a measurement method other than the Direct Measurement and Monitoring Method of the NOx Technical Code 2008
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3. Fire protection equipment

No.	Item Description
UK/9/3.8	Electric safety lamp
UK/9/3.9	Protective clothing resistant to chemical attack
UK/9/3.13	Compressed airline breathing apparatus (High Speed Craft)
UK/9/3.21	Paint lockers and flammable liquid lockers fire extinguishing systems components
UK/9/3.24	Portable Foam Applicator Units
UK/9/3.26	Gaseous Fuel Systems Used for Domestic Purposes (components)
UK/9/3.27	Fixed Gas Fire Extinguishing Systems (CO ₂) components.
UK/9/3.31	Water Spraying Hand Operated System
UK/9/3.33	Fire hoses with diameter > 52 mm
UK/9/3.74	Alcohol resistant foam system – Added by MSN 1874 amendment 7
UK/9/3.75	Flexible hoses suitable for methyl/ethyl alcohol for fuel piping systems – Added by MSN 1874 amendment 7
UK/9/3.76	Vapour outlets suitable for methyl/ethyl alcohol fuel tanks – Added by MSN 1874 amendment 7

4. Navigation equipment

No.	Item Description
UK/9/4.11	Combined GPS/GLONASS equipment
UK/9/4.20	Track control system for - high-speed craft
UK/9/4.33	Track control system (working at ship's speed from 30 knots and above)
UK/9/4.37	Electronic Inclinator
UK/9/4.66	Nautical publications in digital form as defined by SOLAS V/27

5. Radiocommunication equipment

No.	Item Description
UK/9/5.8	Aeronautical two-way VHF radio telephone apparatus - Moved to UK/5.16

6. Equipment required under COLREG 72

No.	Item Description
UK/9/6.2	Sound signal appliances
UK/9/6.4	Two-way voice and data communication with a Telemedical Assistance Service (TMAS)
UK/9/6.5	Sound signaling system mounted to face astern to indicate escort and emergency manoeuvres

7. Other safety equipment

No.	Item Description
UK/9/7.1	Loading instrument
UK/9/7.2	Water level detectors on bulk carriers – item deleted

8. SOLAS Chapter II-1 equipment

No.	Item Description
UK/9/8.1	Cold weather starting of generator sets (starting devices)

ANNEX 2

This Annex sets out equipment within the scope of part II of this Notice and would previously have been specified in Merchant Shipping Notice 1735 (M+F). This equipment is that requiring approval by a ship's Flag Administration but which is not within the scope of the UK's conformity assessment for marine equipment. The table below sets out the relevant Regulations of the applicable IMO Convention and performance standards and as applicable testing standards. Such equipment is to be type approved by a Nominated Body. Similar to Annex 1, equipment is grouped into categories (Life-Saving Appliances, Pollution Prevention, Fire Protection, Navigation, Radio communication and equipment required by COLREG).

This Annex also specifies other equipment which requires approval which is approved by a Nominated Body.

Note applicable to this entire Annex: Where no testing standard is stated in column 4 of the relevant table for equipment in question, the testing standard is to be agreed between the relevant Nominated Body and the MCA ahead of the type approval regime being agreed with the applicant for type approval.

1. Life-saving appliances

Column 4: IMO MSC/Circ.980 should apply except when superseded by the specific instruments referred to in column 3

Item designation	Regulation SOLAS 74 as amended where "type approval" is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
Radar reflector for liferafts	Reg. III/4 Reg. III/34 Reg. X/3	IMO Res MSC.48(66) – LSA Code	ISO 8729 standards and SOLAS
Float free launching appliances for survival craft	Reg. III/4 Reg. III/34	Reg. III/13 Reg. III/16 Reg. 111/26 Reg. III/34 IMO Res. MSC 36(63)-(1994 HSC Code) 8 IMO Res. MSC.48(66)-(LSA Code) I, IV, VI IMO Res. MSC.97(73)-(2000 HSC Code) 8	

“Public address & general emergency alarm system (when used as fire alarm device item UK/3.53 in Annex 1 shall apply): **item moved to UK/1.44a and UK/1.44b in Annex 1 of this Notice by MSN 1874 amendment 7.**

2. Marine pollution prevention

Item designation	Regulation MARPOL 73/78 as amended where “type approval” is required	Regulation MARPOL 73/78 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
Equipment using other equivalent methods to reduce NOx emissions	Annex VI Reg 4	Annex VI Reg 4	
Equipment using other technological methods to limit SOx emissions	IMO Res MEPC.176(58) – (Revised MARPOL Annex VI Reg 4) IMO Res MEPC.184(59)	IMO Res MEPC.176(58) – (Revised MARPOL Annex VI Reg 4)	
On board NOx analysers using a measurement method other than the direct measurement and monitoring method of NOx technical code 2008	IMO Res MEPC.176(58) – (Revised MARPOL Annex VI Reg 4)	IMO Res MEPC.176(58) – (Revised MARPOL Annex VI Reg 4)	

3. Fire protection equipment

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
Electric safety lamp	Reg II-2/10 Reg X/3 IMO Res MSC.98(73) FSS Code 3	Reg II-2/10 IMO Res MSC 36(63) 1994 HSC code 7	IEC 60079 series

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
		IMO Res MSC 97(73) 2000 HSC code 7 IMO Res MSC 98(73) FSS Code 7	
Protective clothing resistant to chemical attack	Reg II-2/19	Reg II-2/19 IMO Res MSC 36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7	EN 943-1(2002) incl. AC (2005) EN 943-2 (2002) EN ISO 6529 (2001) EN ISO 6530 (2005) EN 14605 (2005) incl. A1(2009) IMO MSC/Circ.1120
Paint lockers and flammable liquid lockers fire extinguishing system components	Reg II-2/10	Reg II-2/10 IMO MSC.1/Circ.1239	
Portable foam applicator units	Reg II-2/10 Reg II-2/20 Reg X/3	Reg II-2/10 Reg II-2/20 IMO Res MSC 36(63) - (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC 98(73) - FSS Code) 7 IMO MSC.1/Circ.1239 IMO MSC.1/Circ.1313	
Gaseous fuel systems used for domestic purposes (components)	Reg II-2/4	Reg II-2/4 IMO MSC.1/Circ.1276	
Fixed gas fire extinguishing systems (CO2) components	Reg II-2/10 Reg X/3	Reg II-2/10 Reg II-2/20 IMO Res MSC 36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7	Electrical automatic control and delay devices: EN 12094-1 (2003)

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
		IMO Res MSC 98(73) - (FSS Code) 5 IMO MSC.1/Circ.1313 IMO MSC.1/Circ.1318	Non-electrical automatic control and delay devices: EN 12094-2 (2003) Manual triggering and stop devices: EN 12094-3 (2003) Container valve assemblies and their actuators: EN 12094-4 (2004) High and low pressure selector valves and their actuators: EN 12094-5 (2006) Non-electrical disable devices: EN 12094-6 (2006) Nozzles for CO2 systems: EN 12094-7 (2000) incl. A1 (2005) Connectors: EN 12094-8 (2006) Pressure gauges and switches: EN 12094-10 (2003)

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
			Mechanical weighing devices: EN 12094-11 (2003) Check valves and non-return valves: EN 12094-13 (2001) incl. AC (2002) Odorizing devices for CO2 low pressure systems: EN 12094-16 (2003)
Water spraying hand operated system	Reg II-2/10 Reg II-2/19	Reg II-2/10 Reg II-2/19	
Fire hoses with diameter >52mm	Reg II-2/10 Reg X/3	Reg II-2/10 IMO Res MSC 36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7	BS 6391:2009
Compressed airline breathing apparatus (High-speed craft)	Reg X/3	IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	

4. Navigation equipment

Notes applicable to section 4: Navigation equipment

Columns 3 and 4: References to SOLAS Chapter V are to SOLAS 1974 as amended by MSC 73 and entering into force on 1 July 2002.

Column 5: IEC 61162 series refer to the following reference standards for maritime navigation and radiocommunication equipment and systems – Digital interfaces:

IEC 61162-1 Ed.4.0(2010-11) – Part 1: Single talker and multiple listeners
 IEC 61162-2 Ed.1.0 (1998-09) – Part 2: Single talker and multiple listeners, high-speed transmission
 IEC 61162-3 Ed.1.1 consol. With am1 (2010-11) – Part 3: Serial data instrument network
 IEC 61162-3 Ed.1.0 (2008-05) – Part 3: Serial data instrument network
 IEC 61162-3-am1 Ed.1.0 (2010-06) Amendment 1 – Part 3: Serial data instrument network
 IEC 61162-450 Ed.1.0 (2011-06) – Part 450: Multiple talkers and multiple listeners – ethernet connection

EN 61162 series refer to the following reference standards for maritime navigation and radiocommunication equipment and systems – Digital interfaces:

EN 61162-1 (2011) – Part 1: Single talker and multiple listeners
 EN 61162-2 (1998) – Part 2: Single talker and multiple listeners, high-speed transmission
 EN 61162-3 (2008) – Part 3: Serial data instrument network
 EN 61162-3 am1 Ed.1.0 (2010) Amendment 1 – Part 3: Serial data instrument network
 EN 61162-450 (2011) – Part 450: Multiple talkers and multiple listeners – ethernet connection

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
Combined GPS/GLONASS equipment	Reg V/18 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	Reg V/19 IMO Res A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO Res MSC.115(73) IMO Res MSC.191(79)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61108-1 (2003) EN 61108-2 (1998) EN 61162 series EN 62288 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61108-1 (2003) IEC 61108-2 (1998) IEC 61162 series IEC 62288 Ed.1.0 (2008)
Magnetic compass for high-speed craft	Reg X/3	IMO Res A.382(X) IMO Res A.694(17)	ISO 1069 (1973) ISO 25862 (2009)

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
	IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) Or: ISO 1069 (1973) ISO 25862 (2009) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)
Track control system (working at ship’s speed from 30 knots and above)	Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	IMO Res A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO Res MSC.191(79)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series EN 62288 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.1.0 (2008)
Thrust indicator	Reg V/18 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	Reg V/19 IMO Res A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO Res MSC.191(79)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series EN 62288 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.1.0 (2008)
Lateral thrust, pitch and mode indicators	Reg V/18 Reg X/3	Reg V/19 IMO Res A.694(17)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
	IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO Res MSC.191(79)	EN 62288 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.1.0 (2008)
Bridge Equipment and Systems, their Arrangement and Integration (BES)	Reg V/18 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	Reg V/19 IMO Res. A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO Res. MSC.191(79) IMO SN.1/Circ.288	EN 60945 (2002) including IEC 60945 Corr. 1 (2008) EN 611662 series IEC 62288 (2008) Or: IEC 60945 (2002) including IEC 60945 Corr. 1 (2008) IEC 61162 Series IEC 62288 Ed. 1.0 (2008)
Equipment with long range identification and tracking (LRIT) capability	Reg V/19-1	Reg V/19-1 IMO Res A.694(17) IMO Res A.813(19) IMO Res MSC.202(81) IMO Res MSC.211(81) IMO Res MSC 263(84) MSC.1/Circ.1307	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series
Electronic inclinometer	Reg V/18-7	IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.333(90) MSC.1/Circ.982 MSC.1/Circ.1228	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series Or:

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
		IMO Report MSC 91-22 Add.2 Annex 28	IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series
Loran-C equipment	Reg V/18 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13	Reg V/19 IMO Res A.694(17) IMO Res A.818(19) IMO Res MSC 36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series IEC 62288 Ed.2.0 (2014-07) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)
Chayka equipment	Reg V/18 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13	Reg IV/7 Reg X/3 IMO Res A.662(16) IMO Res A.694(17) IMO Res A.812(19) IMO Res MSC 36(63) – (1994 HSC Code) 14 IMO Res MSC 97(73) – (2000 HSC Code) 14 IMO MSC/Circ.862 IMO COMSAR Circ.32 ITU-R M.632-3 (02/97) ITU-R M.690-1 (10/95)	ETSI ETS 300 372 Ed.1 (1996-05) EN 60945 (2002) IEC 61097-5 (1997) IMO MSC/Circ.862

5. Radiocommunication equipment

Notes applicable to section 5:

Radiocommunication equipment. Column 5:

IEC 61162 series refer to the following reference standards for maritime navigation and radiocommunication equipment and systems – Digital interfaces:

- IEC 61162-1 Ed.4.0(2010-11) – Part 1: Single talker and multiple listeners
- IEC 61162-2 Ed.1.0 (1998-09) – Part 2: Single talker and multiple listeners, high-speed transmission
- IEC 61162-3 Ed.1.1 consol. With am1 (2010-11) – Part 3: Serial data instrument network
- IEC 61162-3 Ed.1.0 (2008-05) Amendment 1 – Part 3: Serial data instrument network
- IEC 61162-3-am1 ed1.0 (2010-06) Amendment 1 - Part 3: Serial data instrument network
- IEC 61162-450 Ed.1.0 (2011-06) – Part 450: Multiple talkers and multiple listeners – ethernet connection

EN 61162 series refer to the following reference standards for maritime navigation and radiocommunication equipment and systems – Digital interfaces:

- EN 61162-1 (2011) – Part 1: Single talker and multiple listeners
- EN 61162-2 (1998) – Part 2: Single talker and multiple listeners, high-speed transmission
- EN 61162-3 (2008) – Part 3: Serial data instrument network
- EN 61162-3 am1 (2010) Amendment 1 – Part 3: Serial data instrument network
- EN 61162-450 (2011) – Part 450: Multiple talkers and multiple listeners – ethernet connection

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
VHF EPIRB	Reg IV/14 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	Reg IV/8 IMO Res A.662(16) IMO Res A.694(17) IMO Res A.805(19) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) ITU-R M.489-2 (10/95) ITU-R M.693 (06/90)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)
Radio reserve source of energy	REG IV/14 REG X/3	REG IV/13 IMO Res A.694(17)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008)

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
	IMO Res MSC 36(63) 1994 HSC code IMO Res MSC 97(73) 2000 HSC code	IMO Res MSC 36(63) 1994 HSC code IMO Res MSC 97(73) 2000 HSC code IMO COMSAR Circ.16 IMO COMSAR Circ.32	Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)
Distress panel	Reg IV/14 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	Reg IV/6 IMO Res A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO MSC/Circ.862 IMO COMSAR Circ.32	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)
Distress alarm or alert panel	Reg IV/14 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code)	Reg IV/6 IMO Res A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) IMO Res MSC 97(73) – (2000 HSC Code) IMO MSC/Circ.862 IMO COMSAR Circ.32	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)
Ship security alert system		Reg XI-2/6 IMO Res A.694(17) IMO Res MSC 147(77) IMO MSC/Circ.1072	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) EN 61162 series Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
Aeronautical two-way VHF radio telephone apparatus	Reg IV/14 Reg X/3 IMO Res MSC 36(63) – (1994 HSC Code) 14 IMO Res MSC 97(73) – (2000 HSC Code) 14	Reg IV/7 IMO Res A.694(17) IMO Res MSC 36(63) – (1994 HSC Code) 14 IMO Res MSC 97(73) – (2000 HSC Code) 14 IMO Res MSC 80(70) IMO COMSAR Circ.32 ICAO Convention Annex 10 Radio - Regulations	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) ETSI EN 301 688 V1.1.1 (2000-07) Or: IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) ETSI EN 301 688 V1.1.1 (2000-07)

6. Equipment required under COLREG 72

Item designation	Regulation COLREG 72 as amended where “type approval” is required	Regulations of COLREG 72 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
Sound signal appliances	COLREG 72 Annex III/3	COLREG 72 Annex III/3 IMO Res A.694(17)	EN 60945 (2002) incl. IEC 60945 corr.1 (2008) Whistles – COLREG 72 Annex III/1 (performance)

			<p>Bells or Gongs – COLREG 72 Annex III/2 (performance)</p> <p>Or:</p> <p>IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)</p> <p>Whistles – COLREG 72 Annex III/1 (performance)</p> <p>Bells or Gongs – COLREG 72 Annex III/2 (performance)</p>
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7. Bulk carrier safety equipment

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4
Loading instrument	Reg XII/11 1997 SOLAS Conference Res.5	Reg XII/11 1997 SOLAS Conference Res.5	IMO MSC.1/Circ.1229
Water level detectors on bulk carriers	IMO Res MSC.188(79)	SOLAS 74/2004 Reg XII/12 IMO Res MSC.188(79)	IEC 60092-504 (2001) IEC 60229 (2001) IMO Res MSC.188(79)

8. SOLAS Chapter II-1 equipment

Item designation	Regulation SOLAS 74 as amended where “type approval” is required	Regulations of SOLAS 74 as amended and relevant resolutions and circulars of the IMO as applicable	Testing standards
1	2	3	4

Cold weather starting of generator sets (starting devices)	Reg II-1/44 Reg X/3	Reg II-1/44 IMO Res MSC 36(63) – (1994 HSC Code) 12 IMO Res MSC 97(73) – (2000 HSC Code) 12	
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9. Other equipment requiring type approval

Other – life-saving appliances

Item designation
Lifeboat equipment (oars, knives, matches, torches, electrical equipment etc.)
LSA gas inflation system
LSA Miscellaneous equipment (emergency life-line etc.)
Lifeboat manual pumps
Emergency equipment lockers
Sea anchors
Survival craft first aid kits
Survival craft rations and water
Non-SOLAS liferafts, rescue boats and inflatable boats
Float free arrangements for Search and Rescue Transponder (SART)
Equipment requiring approval in accordance with SI 1999 No.2721 – The Merchant Shipping (Life-Saving Appliances for ships other than ships of classes III to VI(A)) Regulations but not specified in Annex 1 of this notice
Equipment requiring approval in accordance with SI 1999 No.2721 – The Merchant Shipping (Life-Saving Appliances for passenger ships of classes III to VI(A)) Regulations but not specified in Annex 1 of this notice

Other – Marine pollution prevention equipment

Item designation
Crude oil washing machines

Other – Fire protection equipment

Item designation
Hydrants (components)
Fire blankets

Equipment requiring approval in accordance with SI 1998 No.1011 – The Merchant Shipping (Fire protection: Small ships) Regulations but not specified in Annex 1 of this notice
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Equipment requiring approval in accordance with SI 1998 No.1012 – The Merchant Shipping (Fire protection: Large ships) Regulations but not specified in Annex 1 of this notice
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Equipment requiring approval in accordance with SI 2003 No.2950 – The Merchant Shipping (Fire protection) Regulations but not specified in Annex 1 of this notice

Other – Crew accommodation equipment

Item designation

Vacuum discharge piping systems

Thermostatic mixing valves

Plant used to produce drinking water and/or fresh water

Annex 3

This annex sets out equipment within the scope of part III of this Notice. This is equipment which does not require approval. This is equipment to which an explicit standard is not cited in UK instruments forming a carriage requirement.

The table below sets out minimum standards for acceptance on board the relevant UK ship listed in column 2. Column 1 states the item designation and column 3 states the minimum standard. When a minimum standard is not indicated, MCA will develop minimum standards through a separate MGN to be included in updates to this Notice. A ship carrying equipment which exceeds these minimum standards will be taken as meeting these standards.

Item designation	Applicable ships	Standard
Firefighter's radios	UK Class I – II(A) VII – VIII(A) as required by SOLAS Reg II-2 paragraph 10.4	<p>The two-way portable radiotelephone apparatus shall be of an explosion- proof type or intrinsically safe.</p> <p>In order for such equipment to meet the explosion proof or intrinsically safe requirements, the radio telephone apparatus are to be certified in accordance with relevant standards for equipment and protective systems intended for use in potentially explosive atmospheres, and maintained as such, for example:-</p> <p>Directive 94/9/EC (ATEX) - with approval rating such as II2G Ex ib IIA T3; or</p> <p>IEC 60079-0 2009 - Electrical apparatus for explosive gas atmospheres - Classification of areas; or</p> <p>IEC 60092-502 1999 - Electrical installations in ships - Tankers – Special features.</p> <p>Intrinsically safe radios should have a power output of 1 watt or less.</p>

Item designation	Applicable ships	Standard
		The radio telephone apparatus are to be fit for purpose, i.e. they are able to work within the environment to be expected in a fire scenario, that their operating range is sufficient and that they are safe.
Draught gauge indicators	UK Class I – II(A) as required by SI 1998 No.2514 Regulation 41	
Lifebuoys – lightweight type (horseshoe)	Small commercial vessels ¹	
Means of recovery	Passenger ships certificated to MSN 1823 (Cat A-D)	
ORIL	Ships certificated in accordance with MGN 469	
Radar reflector	Ships certificated in accordance with MGN 469	
Flares	Ships certificated in accordance with MGN 469	
HRUs	Small commercial vessels	
TPAs	Small commercial vessels	
Handheld orange smoke flare	Small commercial vessels	
Line thrower	Small commercial vessels	
VHF	Small commercial vessels	
EPIRB	Small commercial vessels	
SART	Small commercial vessels	
Lifebuoy	Inland small Passenger boat code	
Radar reflector	Fishing 15-24m	
Fire detection	Inland small Passenger boat code	
Fixed fire extinguishing	Inland small Passenger boat code & Fishing <15m	
VHF DSC	Small commercial vessels	
Magnetic compass	Inland small Passenger boat code	
Search light	Large yacht & Small commercial vessels	
GPS	Small commercial vessels	
Vessel's log	Small commercial vessels	

¹ Small commercial vessels are deemed to be any vessel which has been issued certification in accordance with the codes of practice for vessels in commercial use for sport or pleasure, workboats or MGN 280.

Item designation	Applicable ships	Standard
Signaling lamp	Small commercial vessels	
Compass/bearing compass	Small commercial vessels	
Echo sounder	Large yacht & Small commercial vessels	

Annex 4

Carriage requirements

The following instruments are those mentioned in the Regulations which form carriage requirements for Domestic Passenger Ships and Fishing Vessels to carry equipment which meets a standard other than the applicable international standards.

Instruments applicable to domestic passenger ships certificated to operate on category C waters or seaward of that limit:

The following Instruments to be read, as amended.

MSN 1823 (M) - The Safety Code for Passenger Ships Operating Solely in UK Categorised Waters – Which is given Legal Force by The Merchant Shipping (Passenger Ships) (Safety Code for UK Categorised Waters) Regulations 2010, SI 2010 No. 680;

MSN 1823 (M) Edition 2 Amendment 1 – The Safety Code for Passenger Ships Operating Solely in UK Categorised Waters, Edition 2, Amendment 1 - Which is given Legal Force by The Merchant Shipping (Passenger Ships) (Safety Code for UK Categorised Waters) Regulations 2010, SI 2010 No. 680;

The Small Sea Going Passenger Ship Code (A Code for Ships of Class VI);

The Merchant Shipping (Passenger Ships on Domestic Voyages) Regulations 2000, SI 2000 No. 2687;

The Merchant Shipping (Life-Saving Appliances for Ships other than Ships of Classes III to VI(A)) Regulations, SI 1999 No. 2721;

The Merchant Shipping (Life-Saving Appliances for Passenger Ships Of Classes III To VI(A)) Regulations 1999 SI 1999 No. 2723;

The Merchant Shipping (Fire Protection: Small Ships) Regulations 1998 SI1998 No.1011;

The Merchant Shipping (Fire Protection: Large Ships) Regulations SI 1998 No. 1012;

The Merchant Shipping (Fire Protection) Regulations 2003, SI 2003 No. 2950;

The Merchant Shipping (Prevention of Pollution by Sewage from Ship) Regulations SI 2020, No 620;

The Merchant Shipping (Prevention of Pollution by Garbage from Ships) Regulations SI 2020, No 621;

The Merchant Shipping (Prevention of Air Pollution from Ships) Regulations 2008, SI 2008 No. 2924;

The Merchant Shipping (Prevention of Oil Pollution) Regulations 1996, SI 1996 No. 2154;

The Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations SI 1996 No. 0075;

The Merchant Shipping (Safety of Navigation) Regulations 2002 SI 2002 No.1473;

The Merchant Shipping (Radio Installations) Regulations 1998 SI 1998 No.2070.

Instruments applicable to fishing vessels of 24 metres length or over:

The following instruments to be read, as amended.

The “Code of Practice for the Safe Construction and Operation of Fishing Vessels of 24 metres Registered Length and Over”;

The Fishing Vessels (Safety Provisions) Rules 1975 (S.I. 1975/330);

The Fishing Vessels (Life-Saving Appliances) Regulations 1988 (S.I.1988/38);

The Fishing Vessels (EC Directive on Harmonised Safety Regime) Regulations 1999 (S.I. 1999/2998) (which give effect to the Torremolinos Protocol (Cmnd.3339) relating to the Torremolinos International Convention for the safety of Fishing Vessels (Cmnd. 7252);

The Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations SI 1996, No. 75;

The Merchant Shipping (Prevention of Oil Pollution) Regulations 1996 S.I. 1996 No. 2154;

SI 1999, No. 2205 The Merchant Shipping and Fishing Vessels (Personal Protective Equipment) Regulations SI 1999, No. 2205;

The Merchant Shipping (Radio)(Fishing Vessels) Regulations SI 1999 No.3210;

The Merchant Shipping (Safety of Navigation) Regulations SI 2002 No.1473;

The Merchant Shipping (Prevention of Air Pollution from Ships) Regulations SI 2008 No 2924; and

The Merchant Shipping (Prevention of Pollution by Sewage from Ships) Regulations SI 2020, No 620;

The Merchant Shipping (Prevention of Pollution by Garbage from Ships) Regulations SI 2020, No 621.

Annex 5

UK Conformity Mark for Marine Equipment

The UK Conformity Mark must be affixed to marine equipment in accordance with the Regulations and must take the form set out below.

In any event, the UK Conformity mark for marine equipment must:

Be legible and permanently marked on the equipment which is in compliance with the Regulations;

contrast the background it is printed/ stamped etc on such that is either printed on a block white background or transparent background, providing legibility is maintained;

have vertical dimensions of at least 5mm with the ability to waive this for smaller products and/ or where the size of the conformity mark would not provide for legibility due to the size or nature of the product or it is not otherwise practicable to place the mark on the product in which case the mark should be placed on the accompanying paperwork or packaging; and

as per the Regulations, be accompanied by the identification number of the Approved Body which issues the quality assurance module of conformity (Module D, E or F) or if module G is used, the module G certificate as well as the date of affixing the mark as indicated below (where ##### would be the Approved Body Number and YY the year of affixing the conformity mark).



####/YY

or

####/YYYY

Annex 6

Equipment in scope of the UK-US MRA on marine equipment

Annex II to the agreement between the United Kingdom or Great Britain and Northern Ireland and the United States of America on the mutual recognition of certificates of conformity for marine equipment

Product coverage for mutual recognition

General note:

The international conventions apply in their up-to-date version. For the purpose of identifying correctly the relevant standards, test reports, certificates of conformity and declarations of conformity shall identify the specific testing standard applied and its version.

Life-saving appliances

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Position indication lights for life-saving appliances: (a) For survival craft and rescue boats	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, II, IV IMO Res MSC.81(70) as amended	UK/1.2a	USCG 161.01 Guidance for approval of position indicating lights for survival craft dated 11 March 1999
Position indication lights for life-saving appliances: (b) For lifebuoys	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, II IMO Res MSC.81(70), as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.2b	USCG 161.110

² LSA Code” refers to the International Life-Saving Appliance Code adopted on 4 June 1996 (IMO Resolution MSC.48(66)). “Recommendation on Testing” refers to the IMO recommendation on Testing of Life-Saving Appliances adopted on 6 November 1991 (IMO Resolution A.689(17)) as amended on 11 December 1998 (IMO Resolution MSC.81(70)).

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Position indication lights for life-saving appliances: (c) For lifejackets	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – LSA code I, II IMO Res MSC.81(70) as amended IMO Res MSC 97(73) 2000 HSC code 8	UK/1.2c	USCG 161.112 Lifejacket light approval guidance (SOLAS) 22 March 1999
Lifebuoy self-activating smoke signals Note: expiration date not to exceed 48 months after month of manufacture	IMO Res MSC.36(63) – 1994 HSC code 8 IMO Res MSC.48(66) – (LSA Code) I, II IMO Res MSC.81(70), as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.3	USCG 160.157 Guidelines for approval of SOLAS pyrotechnic signals and line throwing appliances March 2005
Rocket parachute flares (pyrotechnics) Note: expiration date not to exceed 48 months after month of manufacture	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, III IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.8	USCG 160.136 Guidelines for approval of SOLAS pyrotechnic signals and line throwing appliances March 2005
Hand flares (pyrotechnics) Note: expiration date not to exceed 48 months after month of manufacture	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, III IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.9	USCG 160.121 Guidelines for approval of SOLAS pyrotechnic signals and line throwing appliances March 2005
Buoyant smoke signals (pyrotechnics) Note: expiration date not to exceed 48 months after month of manufacture	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, III IMO Res MSC.81(70) as amended	UK/1.10	USCG 160.122 Guidelines for approval of SOLAS pyrotechnic signals and line throwing appliances March 2005

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Line throwing appliances Note: expiration date not to exceed 48 months after month of manufacture	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, VII IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.11	46 CFR 160.040 Guidelines for approval of SOLAS pyrotechnic signals and line throwing appliances March 2005 MIL-R-45505 A2
Rigid liferafts Note: The emergency pack is not covered by this agreement	IMO Res MSC.48(66) – (LSA Code) I, IV IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.13	USCG 160.118 Rigid liferaft – Coast Guard (CG-5214) Review checklist 27 July 1998
Automatically self-righting liferafts (rigid liferafts only/inflatable liferafts not covered) Note: The emergency pack is not covered by this agreement	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, IV IMO Res MSC.81(70) as amended IMO Res MSC 97(73) (2000 HSC Code) 8 IMO MSC Circ. 809 IMO MSC Circ.811 IMO MSC.1 Circ.1328	UK/1.14	USCG 160.118 Rigid liferaft – Coast Guard (CG-5214) Review checklist 27 July 1998
Canopied reversible liferafts (rigid liferafts only/inflatable liferafts not covered) Note: The emergency pack is not covered by this agreement	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, IV IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8 IMO MSC Circ.809 IMO MSC Circ.811 IMO MSC.1 Circ.1328	UK/1.15	USCG 160.118 Rigid liferaft – Coast Guard (CG-5214) Review checklist 27 July 1998

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Float free arrangements for liferafts (hydrostatic release units)	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, IV IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8 IMO MSC Circ.811	UK/1.16	USCG 160.162 Interim guidelines for approval and production of testing of SOLAS hydrostatic release units
Release mechanism for: (a) Lifeboats and rescue boats (launched by a fall or falls) Limited to davit launched liferaft automatic release hook	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, IV IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8 MSC.1/Circ.1419	UK/1.26a	46 CFR 160.170
Release mechanism for: (b) Liferafts (launched by a fall or falls) Limited to davit launched liferaft automatic release hook	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, VI IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.26b	46 CFR 160.170
Marine evacuation systems	IMO Res MSC.36(63) – (1994 HSC Code) 8 IMO Res MSC.48(66) – (LSA Code) I, VI IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8	UK/1.27	USCG 160.175
Embarkation ladders	IMO Res MSC.36(63) – (1994 HSC Code) IMO Res MSC.48(66) – (LSA Code) I, VI IMO Res MSC.81(70) as amended IMO Res MSC 97(73) – (2000 HSC Code) 8 MSC.1/Circ.1285 ISO 5489:2008	UK/1.29	USCG 160.117

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Retro-reflective materials	IMO Res A.658(16) IMO Res MSC.36(63) – (1994 HSC Code) IMO Res MSC.48(66) – (LSA Code) I IMO Res MSC 97(73) 2000 HSC Code 8	UK/1.30	46 CFR 164.018 NVIC 2-92
Primary deck coverings	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) 2000 HSC Code 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.1	46 CFR 164.106
A & B Class divisions fire integrity (a) A class divisions	IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC/Circ.1120 IMO MSC/Circ.1434 IMO MSC/Circ.1435 IMO MSC/Circ.1616	UK/3.11a	46 CFR 164.105 46 CFR 164.110
A & B Class divisions fire integrity (b) B class divisions Note: Restricted B class divisions are not covered by this agreement	IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC/Circ.1120 IMO MSC/Circ.1581	UK/3.11b	46 CFR 164.108 46 CFR 164.110
Non-combustible materials	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.13	46 CFR 164.109
Fire doors	IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.16	46 CFR 164.136

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
<p>Limited to fire doors without windows or with total window area no more than 645cm² in each door leaf</p> <p>Approval limited to maximum door size tested</p>	<p>IMO MSC.1/Circ.1319 IMO MSC.1/Circ.1511</p>		
<p>Fire door control systems components</p> <p>Note: When the term “system components” is used in column 1 it may be that a single component, a group of components or a whole system needs to be tested to ensure that the international requirements are fulfilled</p>	<p>IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended</p>	<p>UK/3.17</p>	<p>46 CFR 164.146</p>
<p>Surface materials and floor coverings with low flame-spread characteristics</p> <p>(a) Decorative veneers</p>	<p>IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC/Circ.1120</p>	<p>UK/3.18a</p>	<p>46 CFR 164.112</p>
<p>Surface materials and floor coverings with low flame-spread characteristics</p> <p>(b) Paint systems</p>	<p>IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC/Circ.1120</p>	<p>UK/3.18b</p>	<p>46 CFR 164.112</p>

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Surface materials and floor coverings with low flame-spread characteristics (c) Floor coverings	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC/Circ.1120	UK/3.18c	46 CFR 164.117
Surface materials and floor coverings with low flame-spread characteristics (f) Combustible ducts	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC/Circ.1120	UK/3.18f	46 CFR 164.112
Draperies, curtains and other suspended textile materials and films	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC.1/Circ.1456, as amended	UK/3.19	46 CFR 164.111
Upholstered furniture	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.20	46 CFR 164.144
Bedding components	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.21	46 CFR 164.142
Fire dampers	IMO Res MSC.307(88) – IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.22	46 CFR 164.139

Product item identification	Applicable International instruments for construction, performance and testing requirements ²	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Penetrations through A class divisions (a) Electric cable transits	IMO Res MSC.307(88) – IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC.1/Circ.1488	UK/3.26a	46 CFR 164.138
Penetrations through A class divisions (b) Pipe, duct, trunk etc. penetrations	IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC.1/Circ.1276 IMO MSC.1/Circ.1488	UK/3.26b	46 CFR 164.138
Fire restricting materials (except furniture) for high-speed craft	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC.1/Circ.1457	UK/3.32	46 CFR 164.201
Fire resisting materials for high-speed craft	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended	UK/3.33	46 CFR 164.201
Fire resisting divisions for high-speed craft	IMO Res MSC.36(63) – (1994 HSC Code) 7 IMO Res MSC 97(73) – (2000 HSC Code) 7 IMO Res MSC.307(88) – (2010 FTP Code) as amended IMO MSC.1/Circ.1457	UK/3.34	46 CFR 164.207

Navigation equipment

Notes applicable to this section

1. Resolution A.102(26) and Resolution MSC.302(87) shall be considered, as applicable, for all the navigation equipment – They refer to “Code on alerts and indicators, 2009,” and to “Adoption of performance standards for bridge alert management,” respectively.
2. **IEC 61162 series refer to the following reference standards for maritime navigation and radio communication equipment and systems – Digital interfaces:**
 - IEC 61162-1 (2016) – Part 1: Single talker and multiple listeners
 - IEC 61162-2 Ed.1.0 (1998-09) – Part 2: Single talker and multiple listeners

High-speed transmission

- IEC 61162-3 Ed.1.2 consol. With am1 Ed.1.0 (2010-11) and am2 Ed.1.0 (2014-07) – Part 3: Serial data instrument network
- **IEC 61162-3 Ed.1.0 (2008-05) – Part 3: Serial data instrument network**
- IEC 61162-3 am2 Ed.1.0 (2010-06) Amendment 1 – Part 3: Serial data instrument network
- **IEC 61162-3 am2 Ed.1.0 (2014-07) Amendment 2 – Part 3: Serial data instrument network**
- IEC 61162-450 Ed.1.0 (2011-06) with am1 (2016) Part 450: Multiple talkers and multiple listeners – Ethernet connection

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Magnetic compass class A for ships	IMO Res A.382(X) IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.302(87) ISO 1069 (1973) ISO 25862 (2009) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)	UK/4.1	USCG 165.101 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Transmitting heading device (THD) magnetic method	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) ISO 22090-2 (2014)	UK/4.2	USCG 165.102 NVIC 8-01, Change 3 Note: the use of ISO 11606:2000/cor1:2005 is required for acceptance for USCG approval under the MRA
Gyro compass	IMO Res A.424(XI) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87) ISO 8728:2014 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.3	USCG 165.103 NVIC 8-01, Change 3
Echo sounding equipment	IMO Res A.224(VII) IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.74(69) Annex 4 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) ISO 9875 (2000) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.6	USCG 165.107 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
Speed and distance measuring equipment (SDME)	IMO Res A.694(17) IMO Res A.824(19) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.302(87) IMO Res MSC.191(79) IEC 61023 (2007) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.7	USCG 165.105 NVIC 8-01, Change 3
Rate of turn indicator	IMO Res A.526(13) IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series ISO 20672 (2007) including Corr.1 (2008) IEC 62288 Ed.2.0 (2014-07)	UK/4.9	USCG 165.106 NVIC 8-01, Change 3
Loran-C equipment	Deliberately left blank		
Chayka equipment	Deliberately left blank		
GPS equipment	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.112(73) IMO Res MSC.191(79) IMO Res MSC.302(87)	UK/4.14	USCG 165.130 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61108-1 Ed.2.0 (2003) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)		
GLONASS equipment	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.113(73) IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61108-2 (1998) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.15	USCG 165.131 NVIC 8-01, Change 3
Heading control system (HCS)	IMO Res A.342(IX) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.64(67) Annex 3 IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) ISO 11674 (2006)	UK/4.16	USCG 165.110 NVIC 8-01, Change 3
Rudder angle indicator	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87)	UK/4.20	USCG 165.167 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) ISO 20673:2007		
Propeller revolution indicator	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) ISO 22554:2015	UK/4.21	USCG 165.168 NVIC 8-01, Change 3
Pitch indicator	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) ISO 22555:2007	UK/4.22	USCG 165.115 NVIC 8-01, Change 3
Radar equipment CAT 1 (Radar equipment used with ARPA must have separate EU and USA certifications)	IMO Res. A.278(VIII) IMO Res. A.694(17) IMO Res. MSC.191(79) IMO Res. MSC. 192(79) IMO Res. MSC.302(87) ITU-R M. 1177-4(04/11)	UK/4.34	USC 165.115 NVIC 8-01, Change 3 47 CFR 90 47 CFR 02.100 Subpart B

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 60945 (2002) incl. IEC 60945 Corr. 1 (2008) IEC 61162 series IEC 62288 Ed. 2.0 (2014-07) IEC 62388 Ed. 2.0 (2013-06)		Note: USCG 165.120 has been changed to 165.115 to reflect changes required by MSC.192(79). Certificates previously issued remain valid for existing equipment.
Radar equipment CAT 2 (Radar equipment used with ATA must have separate EU and US certifications)	IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-R M.1177-4 (04/11) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) IEC 62388 Ed.2.0 (2013-06)	UK/4.35	USCG 165.115 NVIC 8-01, Change 3 47 CFR 80 47 CFR 02.100 subpart B Note: USCG 165.111 has been changed to 165.116 to reflect changes required by MSC.192(79). Certificates previously issued remain valid for existing equipment
Radar equipment CAT 3 (Radar equipment used with EPA must have separate EU and US certifications)	IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.191(79) IMO Res MSC.302(87) ITU-R M.1177-4 (04/11) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.36	USCG 165.117 NVIC 8-01, Change 3 47 CFR 80 47 CFR 02.100 subpart B Note: USCG 165.121 has been changed to 165.117 to reflect

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 62388 Ed.2.0 (2013-06)		changes required by MSC.192(79). Certificates previously issued remain valid for existing equipment
Integrated bridge system	Item deliberately left blank		
Voyage data recorder (VDR)	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IMO Res MSC.333(90) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 61996-1 Ed.2.0 (2013-05) incl. IEC 61996-1 corr.1 (2014) IEC 62288 Ed.2.0 (2014-07)	UK/4.29	USCG 165.150 NVIC 8-01, Change 3
Electronic chart display and information system (ECDIS) with backup and raster chart display system (RCDS)	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.232(82) IMO Res MSC.302(87) IMO MSC.1/Circ.1503 Rev.1 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 61174 Ed.4.0 (2015) IEC 62288 Ed.2.0 (2014-07)	UK/4.30	USCG 165.123 USCG 165.124 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	[ECDIS backup and RCDS are only applicable when this functionality is included in the ECDIS. The module B certificate shall indicate whether these options were tested]		
Gyro compass for high-speed craft	IMO Res A.694(17) IMO Res A.821(19) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349 ISO 16328 (2014) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.31	USCG 165.203 NVIC 8-01, Change 3
Universal automatic identification system (AIS)	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.74(69) IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) ITU-R m.1371-5 (2014) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 61993-2 (2012) IEC 62288 Ed.2.0 (2014-07)	UK/4.32	USCG 165.155 NVIC 8-01, Change 3 ITU-R M.1371-3
Track control system (working at ship's speed from minimum manoeuvring speed up to 30 knots)	IMO Res A.694(17) IMO Res MSC.74(69) IMO Res MSC.191(79)	UK/4.33	USCG 165.112 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62065 Ed.2.0 (2014-02) IEC 62288 Ed.2.0 (2014-07)		
Radar equipment for high-speed craft applications (CAT 1H and CAT 2H)	IMO Res A.278(VIII) IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) IMO Res MSC.192(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1349 ITU-R M.1177-4 (04/11) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) IEC 62388 Ed.2.0 (2013-06)	UK/4.37	USCG 165.216 USCG 165.217 NVIC 8-01, Change 3
Radar reflector passive type	IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.164(78) ISO 8729-1 (2010) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)	UK/4.39	USCG 165.160 NVIC 8-01, Change 3
Heading control system for high-speed craft	IMO Res A.694(17) IMO Res A.822(19) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79)	UK/4.40	USCG 165.210 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IMO Res MSC.302(87) IMO MSC.1/Circ.1349 ISO 16329 (2003) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)		
Transmitting heading device (THD) (GNSS method)	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87) ISO 22090-3:2014 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.41	USCG 165.102
Searchlight for high-speed craft	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 ISO 17884:2004 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)	UK/4.42	USCG 165.252 NVIC 8-01, Change 3
Night vision equipment for high-speed craft	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.94(72) IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.191(79) ISO 16273 (2003) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008)	UK/4.43	USCG 165.251 NVIC 8-01, Change 3 ISO 60447 ISO/IEC 9126

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 62288 Ed.2.0 (2014-07)		
Transmitting heading device (THD) (Gyroscopic method)	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.116(73) IMO Res MSC.191(79) IMO Res MSC.302(87) ISO 22090-1:2014 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.46	USCG 165.102
Simplified voyage data recorder (S-VDR)	IMO Res A.694(17) IMO Res MSC.163(78) IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 61996-2 (2007) IEC 62288 Ed.2.0 (2014-07)	UK/4.47	USCG 165.151 NVIC 8-01, Change 3
DGPS equipment	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC.97(73) – (2000 HSC Code) 13 IMO Res MSC.112(73) IMO Res MSC.114(73) IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61108-1 (2003)	UK/4.50	USCG 165.132 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 61108-4 (2004) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)		
DGLONASS equipment	IMO Res A.694(17) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IMO Res MSC.113(73) IMO Res MSC.114(73) IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61108-1 Ed.1.0 (1998) IEC 61108-4 (2004) IEC 61162 series IEC 62288 Ed.2.0 (2014-07)	UK/4.51	USCG 165.133 NVIC 8-01, Change 3
Daylight signaling lamp	IMO Res A.694(17) IMO Res MSC.95(72) IMO Res MSC.36(63) – (1994 HSC Code) 13 IMO Res MSC 97(73) – (2000 HSC Code) 13 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) ISO 25861:2007	UK/4.52	USCG 165.166 NVIC 8-01, Change 3
Bridge navigational watch alarm system (BNWAS)	IMO Res A.694(17) IMO Res MSC.128(75) IMO Res MSC.191(79) IMO Res MSC.302(87) IMO MSC.1/Circ.1474 IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series	UK/4.57	USCG 165.142 NVIC 8-01, Change 3

Product item identification	Applicable International instruments for construction, performance and testing requirements	UK technical regulations item number indicated in Annex 1 of Merchant Shipping Notice 1874 as amended	US technical regulations and approval guidance
	IEC 62288 Ed.2.0 (2014-07) IEC 62616 (2010) incl. IEC 62616 corr.1 (2012)		
Sound reception system	IMO Res A.694(17) IMO Res MSC.86(70) IMO Res MSC.36(63) – (1994 HSC Code) IMO Res MSC.97(73) – (2000 HSC Code) IMO Res MSC.191(79) IMO Res MSC.302(87) IEC 60945 (2002) incl. IEC 60945 corr.1 (2008) IEC 61162 series IEC 62288 Ed.2.0 (2014-07) ISO 14859:2012	UK/4.58	USCG 165.165 NVIC 8-01, Change 3