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## Marine Equipment Directive - Equipment Standards and Approval

**Notice to all Manufacturers, Shipbuilders, Ship Owners, Ship Operators and Managers, Designers and Marine Consultant, Masters and Officers of Merchant Ships, Skippers of Fishing Vessels, Skippers of Small Commercial Vessels, Owners of Yachts and Pleasure Craft, Certifying Authorities, Recognised Organisations and Notified and Nominated Bodies.**

*This notice should be read with the Marine Equipment (Marine Equipment) Regulations 2016 SI 2016/#####.*

*This notice replaces MSN 1734 (M+F) and MSN 1735(M+F)*

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This Notice has been given force of law by Statute (SI 2016/#####)

### Summary

This notice, along with the Merchant Shipping (Marine Equipment) Regulations 2016 transpose the recast Marine Equipment Directive (Directive 2014/90/EU) into UK law.

The objective of the Marine Equipment Directive 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 marine equipment to be placed on board ships registered with a Member State of the EU.

This Notice gives technical information and guidance about the procedures for obtaining type approval in conformity with the Marine Equipment Directive and other UK procedures for type approval through Notified and Nominated Bodies, respectfully, designated by the Secretary of State, on behalf of the United Kingdom. It also gives information regards the United Kingdom's policy for enforcing these requirements, and other standards to be applied to marine equipment on board United Kingdom registered ships.

## 1. Introduction

- 1.1 The Merchant Shipping (Marine Equipment) Regulations 2016 provide for standards of marine equipment of a safety or pollution prevention nature placed on board UK ships on or after the [insert date Regulations come into force]. Along with the provisions of this notice,



the regulations implement the provisions of Directive 2014/90/EU of the European Parliament and the Council on Marine Equipment and repealing Council Directive 96/98/EC (Official Journal No. L 257, 28.08.2014, p146) (“the MED”).

1.2 This notice also details conformity assessment procedures for marine equipment which is required to be ‘approved’ by various UK instruments for the placing on board UK ships but to which is not within the scope of the MED. Therefore setting out detailed requirements for a national approval to the relevant instruments, as provided for in the Regulations.

1.3 Further, this notice sets out the technical standards for marine equipment not requiring approval, to be placed on board a UK ship in accordance with the Regulations, where 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 MED and the associated technical requirements for equipment which is to be approved by an EC Notified Body;

1.4.2 Part II, sets out the requirements for marine equipment that is within the scope of the international instruments and requires approval of the MCA as the flag administration for UK ships but to which is not within the scope of the Directive, and marine equipment requiring to be approved in accordance with other UK domestic instruments; and

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

#### 1.5 Interpretation:

In this Notice:

“The Regulations” shall mean the Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/#####

Where a specific regulation is cited, unless specifically stated otherwise, this shall be construed as reference to a regulation within the Merchant Shipping (Marine Equipment) Regulations 2016 SI 2016/#####

Where the term “part” is used in relation to part I, II or III of this notice, this refers to one of the three parts of this notice.

Unless expressly stated otherwise, a term in this Notice shall have the same meaning as defined in Regulation 2 of the Regulations or Article 2 of the Directive, if not defined in the Regulations.

### **PART I – Marine Equipment within the Scope of Directive 2014/90/EU**

#### **2. Scope of Marine Equipment Approval According to Directive 2014/90/EU**

2.1 Marine Equipment within the scope of this part of this notice is that which is required by the International Instruments and is to be approved by the Flag State Administration of the relevant ship, as provided in Regulation 6. Additionally, for this equipment, there are detailed internationally agreed testing standards, therefore this equipment is within the scope of the MED. For equipment which is required to be approved by the Flag State Administration or is otherwise required to be approved by the MCA, but is not within the scope of this part of this notice, part II of this notice should be referred to.



2.2 Equipment within this part is that which is to be approved by one or more EU Notified Bodies which have been notified by a Member State of the EU. For more information regarding the approval procedure and / or the application of requirements of such marine equipment, a relevant Notified Body should be contacted, a full list of EU Notified Bodies can be found on the MarED website ([www.mared.org](http://www.mared.org)).

2.3 Manufacturers with existing approval certificates in accordance with Council Directive 96/98/EC on marine equipment will need to contact an EU Notified Body for information on the need for assessment and the marking to new standards provided for within the MED, for equipment not already placed on board a UK ship on the date the Regulations came into force. Marine equipment to which the Regulations apply placed on board a UK ship specified in this part of this notice on or after [the date the regulations come into force] must comply with the international standard specified Annex 1, in accordance with regulation 6(1) of the Regulations.

### **3. Requirements for Marine Equipment to be Placed On Board a UK Ship**

3.1 Marine 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 applicable at the time when that equipment is placed on board in accordance with regulation 6(1) of the Regulation.

3.2 Unless there is a change in the applicable standards specified in Annex 1 for equipment already placed on board a UK ship, existing approval will continue to be accepted providing equipment operates satisfactorily. If marine equipment is replaced, it must be replaced with marine equipment which complies with the Merchant Shipping (Marine Equipment) Regulations 2016.

### **4. Domestic Passenger Ships and Large Fishing Vessels**

4.1 As required by Regulation 6(2), where equipment is specified in Annex I of this notice, a Domestic Passenger ship certificated to operate on category C waters or seaward of that limit or Fishing Vessels of 24m Length or more must carry equipment that has been approved by a Notified Body, except where a UK instrument that forms a carriage requirement for such a ship or vessel provides for an alternative standard of equipment other than those in the international instruments. For the purpose of this provision in the Regulations, the carriage requirements are deemed to be those listed in Annex 4 of this Notice.

### **5. UK Notified Bodies**

5.1 The MCA has designated organisations listed below and accordingly those bodies are “Notified Bodies” for the purpose of carrying out approvals of marine equipment and undertake the examination, testing and certification of the equipment specified in this part of this Notice.

5.2 The UK Notified Bodies which have been designated by the Secretary of State in accordance with Regulation 4 of the Regulations are listed below along with each body's contact details. For information regarding the equipment types and modules of conformity a Notified Body appointed by the UK may perform conformity assessment, the specific Notified Body must be contacted:

ABS Europe Ltd  
ABS House  
1 Frying Pan Alley  
London E1 7HR



Tel: 0207 247 3255  
Fax: 0207 377 2453  
Email: ABS-MED@eagle.org

BSI Group  
Kitemark Court  
Davy Avenue  
Knowlhill,  
Milton Keynes  
MK5 8PP  
Tel: +44 (0) 845 080 9000  
Email: Jitesh.pankhania@bsigroup.com

BTTG Testing & Certification Ltd  
Unit 14 Wheel Forge Way  
Trafford Park  
Manchester  
M17 1EH  
Tel: 0161 873 6543  
Fax: 0161 848 7378  
Email: cabutcher@bttg-cert.co.uk

Fleetwood Test House  
Blackpool & the Flyde College,  
Fleetwood Nautical Campus,  
Broadwater  
Fleetwood  
FY7 8JZ UK  
Tel: +44 (0) 1253 504725  
Email: Brooke.Smith@blackpool.ac.uk

INSPEC International Ltd  
56, Leslie Hough Way  
Salford  
Greater Manchester M6 6AJ  
England  
Tel: +44 (0) 161 737 0699  
Fax: +44 (0) 161 736 0101  
Email: certification@inspec-international.com

Lloyd's Register EMEA,  
Lloyd's Register Global Technology Centre,  
Southampton Boldrewood Innovation Campus,  
Burgess Road,  
Southampton  
SO16 7QF  
T: +44 (0)330 414 0299  
Email: MED@lr.org

BRE Global Ltd  
Bucknalls Lane  
Garston  
WD25 9XX



Tel: 01923 665 114  
Fax: 01923 664 103  
E-mail: prattm@bre.co.uk  
Customer Services 0333 321 8811

TUV SUD BABT  
Octagon House,  
Concorde Way,  
Segensworth North  
Fareham, PO15 5RL  
Hampshire  
Tel: 01489 558175  
Tel: 01489 558100  
Fax: 01489 558101  
Email: babt@tuv-sud.co.uk

UL International (UK) Ltd  
Wonersh House, The Guildway, Old Portsmouth Road,  
Guildford,  
Surrey, GU3 1LR  
United Kingdom  
Tel: +44 (0) 1483 40 20 23  
Fax: +44 (0) 1483 30 22 30  
Email: inform.NB@uk.ul.com

Warrington Certification Ltd  
Holmesfield Road  
Warrington  
Cheshire. WA1 2DS  
Tel: 01925 646 669  
Email: janet.murrell@exova.com

**5.3** UK Notified Bodies shall meet the requirements of Annex III of the Directive and shall be assessed at least once every 2 years to confirm compliance with that Annex in accordance with Regulation 5. The United Kingdom Accreditation Services as the national accreditation body may be delegated this assessment responsibility. Information is available to conformity assessment bodies wishing to be appointed as a UK Notified Body in Marine Guidance Note #####.

5.4 The MCA is the Notifying Authority responsible for appointing UK Notified Bodies on behalf of the Secretary of State. For this purpose, the MCA can be contacted at the following address;

Marine Equipment Quality Assurance  
Marine Technology, Bay 2/27  
The Maritime and Coastguard Agency  
Spring Place, 105 Commercial Road  
Southampton  
SO15 1EG  
United Kingdom  
+44 (0) 2380 329 100

## 6. UK Market Surveillance



- 6.1 The MCA, on behalf of the Secretary of State for Transport is the market surveillance authority for marine equipment as specified in Part 6 of the Regulations and shall carry out market surveillance in accordance with this section of this notice. Notified Bodies, Manufacturers and authorised representatives shall cooperate with MCA market surveillance inspectors as indicated in this part of this MSN, in accordance with the Regulations. Market surveillance shall seek to ensure the safety of products offered for supply to the UK market and UK ships. Such market surveillance must take into consideration the conformity assessment procedures applicable to marine 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 marine equipment to confirm the compliance of such equipment as well as checks of marine equipment bearing the wheel mark whether or not equipment has been placed on board a UK ship. Where checks are carried out on equipment placed on board a UK ship, such checks shall 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 marine equipment specified in part I of this MSN 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 marine equipment. Accordingly, the market surveillance authority may request the manufacturer to make the necessary samples available or to give on-the-spot access to the samples at the manufacturer's premises at the manufacturer's own cost, in accordance with Regulation 20(10).
- 6.4 Where the MCA has sufficient suspicion that marine equipment to which this part of this notice is applicable presents a risk to maritime safety, to health or to the environment, it shall carry out an evaluation in relation to the marine equipment concerned covering all the requirements for such equipment. The relevant economic operators shall cooperate as necessary with the MCA in accordance with the Regulations.
- 6.5 Where the MCA finds that, subject to the evaluation in 6.4, the marine equipment does not comply with the requirements in this part of this notice, it shall without delay require the relevant economic operator to take all appropriate corrective actions to bring the marine equipment into compliance with those requirements, to withdraw the marine equipment from the market, or to recall it within such reasonable period, commensurate with the nature of the risk, as it may prescribe, or any other measure justified by the MCA. The MCA will inform the relevant Notified 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 measures to ensure noncompliant marine equipment is not supplied to the UK market or to UK ships, in accordance with Regulation 26.
- 6.6 Where it is found that the non-compliance is not limited to the UK market, the MCA will inform the EU Commission and the other EU Member States through information system made available for this purpose pursuant to Article 21 of Regulation (EC) No 765/2008 including the nature of the non-compliance and the corrective actions which have been implemented.
- 6.7 Where the MCA receives notification of another Member State's market surveillance measures to mitigate a risk to safety of marine equipment and the measure is justified in accordance with the procedure in Articles 26 and 27 of the Directive, the MCA will implement such measure in the UK market and as relevant to UK ships.

## **PART II – Approved Marine Equipment, Not in the Scope of the Directive**

### **7. Scope of Approval**



- 7.1 Equipment within this part of this Notice is that within the scope of the international instruments and requires approval by the MCA as a UK ship's Flag Administration but to which no detailed internationally agreed testing standards exist. It also applies to equipment required to be approved in accordance with other UK domestic instruments specified in Annex 2. This equipment is to be type approved by the UK Nominated Bodies.
- 7.2 Where equipment within the scope of this part of this Notice 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 should be contacted regarding the undertaking of the necessary approval procedure. For this purpose the contact details in 5.4 above should be used.

## **8. Requirements for Equipment**

- 8.1 Marine Equipment which is placed on board a UK ship to which this part of this Notice applies shall hold a valid type approval certificate issued by a Nominated body at the time when that equipment is placed on board, as required by 6(5).
- 8.2 The performance and testing standards of marine equipment within the scope of this part are communicated in Annex 2 of this Notice and are those to which equipment seeking approval pertinent to Part 4 of the Regulations must meet. 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 until their 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 new certificates of type approval will be valid for a period of up to 5 years.
- 8.4 Unless there is a change in the required standards specified in Annex 2 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 6(2), where equipment is specified in Annex 2 of this notice, a Domestic Passenger ship certificated to operate on category C waters or seaward of that limit or Fishing Vessels of 24m Length or more must carry equipment that has been approved by a Notified Body, except where a UK instrument that forms a carriage requirement for such a ship or vessel provides for an alternative standard of equipment other than those in the international instruments. For the purpose of this provision in the Regulations, the carriage requirements are deemed to be those listed in Annex 4 of this Notice.
- 9.2 As required by Regulation 6(2), where equipment is specified in Annex 2 of this notice, a Domestic Passenger ship certificated to operate on category C waters or seaward of that limit or Fishing Vessels of 24m Length or more must carry marine equipment that has been approved by a Nominated Body, except where a UK instrument that forms a carriage requirement for such a ship or vessel provides for an alternative standard of equipment other than those in the international instruments. For the purpose of this provision in the Regulations, the carriage requirements are deemed to be those listed in Annex 4 of this Notice.





## 10. Application for Type Approval

- 10.1 A manufacturer or person wishing to gain type approval of equipment specified in Annex 2 of this notice should 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 stated in **10.3** below; and
  - 10.1.4 The applicant is to 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, forming part of the application must to enable a nominated body to assess conformity of the product with the requirements of the relevant regulations specified in Annex 2, and test standards. It must, as far as relevant for such an assessment, cover the design, build standard, manufacture and functioning of the equipment.
- 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 the 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 United Kingdom Accreditation Services 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 (2005), as amended may be used.
- 11.3 Where the equipment meets the provisions of the relevant applicable instruments specified in Annex 2 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 for type approval, the Nominated Body will 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 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 will 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 build 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 build 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 will be kept at the disposal of the MCA and other Nominated Bodies for a period of not less than ten 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 ten years after the last product has been manufactured.
- 12.6 The Nominated Body must keep the technical documentation, other documentary evidence used to type approve the equipment and copies of certificates of type approval with their additions for a period of at least ten years after the issue of each certificate of type approval.

### 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. In accordance with regulation 4 of the Regulations. The designated UK Nominated Bodies are listed below along with the equipment types they are designated to approve.

ABS Europe Ltd 1 Frying Pan Alley London E1 7HR Tel: 0207 377 2453 Fax: 0207 247 3255
Bureau Veritas Department Equipment and Materials Certification 67/71 Boulevard du Chateau 92200 Neuilly-sur-Seine France Tel. + +33 (0)1 55 24 75 71 Fax. + 33 1 55 24 70 45 Email: marineequipment.paris@bureauveritas.com
DNV GL 4500 Parkway Solent Business Park Whiteley Hampshire PO15 7AZ Tel: 02380 745 940 Fax: 02380 745 941 Email: Southampton@dnvgl.com
Lloyd's Register EMEA, Lloyd's Register Global Technology Centre,



Southampton Boldrewood Innovation Campus, Burgess Road, Southampton SO16 7QF T: +44 (0)330 414 0299 Email: MED@lr.org
RINA Services S.p.A. North Wing, 1st Floor 2 Charlotte Place 29-31 Kingston Crescent Southampton SO14 0TB Tel:+44 23 80332271 Fax: +44 23 80331744 E-mail southampton.office@rina.org
TUV SUD BABT Octagon House, Concorde Way, Segensworth North Fareham, PO15 5RL Hampshire Tel: +44 (0)1489 558175 or +44 (0)1489 558100 Fax: +44 (0)1489 558101 Email: babt@tuv-sud.co.uk

The Nominated Bodies listed in Column 1 in the Table A below may undertake type approval of any of the categories of equipment listed in Column 2 of that table.

The Nominated Bodies listed in Column 1 in the Table B below may undertake type approval only of the categories of equipment listed in Column 2 of that table.

**TABLE A**

Column 1	Column 2
<b>NOMINATED BODY</b>	<b>EQUIPMENT CATEGORY</b>
ABS Europe Ltd Bureau Veritas Det Norkse Veritas Germanischer Lloyd AG Lloyd's 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
<b>NOMINATED BODY</b>	<b>EQUIPMENT CATEGORY</b>
TUV SUD BABT	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 Marine Equipment Standards**

#### **14. Scope of Equipment Standards and Requirements**

- 14.1 Equipment within this part is equipment required by UK instruments specified in Annex 3, 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 Marine Equipment specified in Annex 3, placed on board a UK ship to which this part applies in accordance with regulation 6(3) of the Regulations must meet the design, construction and performance requirements of the specified standards in Annex 3 valid at the time when that equipment is placed on board. Annex 3 of this notice also communicates the ship type each standard is applicable to.

#### **More Information**

Marine Technology Branch  
Maritime and Coastguard Agency  
Bay 2/27  
Spring Place  
105 Commercial Road  
Southampton  
SO15 1EG

Tel : +44 (0) 23 8032 9Insert extension  
Fax : +44 (0) 23 8032 9Insert extension  
e-mail: Insert email address as a hyperlink

Website Address: [www.gov.uk/government/organisations/maritime-and-coastguard-agency](http://www.gov.uk/government/organisations/maritime-and-coastguard-agency)

General Inquiries: [infoline@mcga.gov.uk](mailto:infoline@mcga.gov.uk)

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## Annex 1

[Place Holder – For either the latest amendment of MSN 1734 (with regard the tables of equipment and standards) to be inserted or the provisions within the EU Commission Regulations to be inserted (If they are made available ahead of the regulations coming into force)].



## Annex 2 - Equipment within the Scope of Part II of this Notice

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/ Circular 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 the 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).	
Float-free launching appliances for survival craft	-Reg. III/4, -Reg. III/34.	Reg. III/13, -Reg. III/16, -Reg. III/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 A.1/3.53 shall apply)	-Reg. III/6.	-IMO Res. A.1021(26), -IMO Res. MSC.36(63)- (1994 HSC Code), -IMO Res. MSC.48(66)- (LSA Code), -IMO Res. MSC.97(73)- (2000 HSC Code), -IMO MSC/Circ.808.	





## 2. Marine pollution prevention

Item designation	Regulation MARPOL 73/78, as amended, where "type approval" is required	Regulations of MARPOL 73/78, as amended, and the relevant resolutions and circulars of the IMO, applicable	Testing standards
1	3	4	5
Equipment using other equivalent methods to reduce on board 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 the 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 the 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, -IMO Res. MSC.97(73)-(2000 HSC Code) 7, -IMO Res. MSC.98(73)-(FSS Code), 3.	-IEC 60079 series.
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) including AC (2005), -EN 943-2 (2002), -EN ISO 6529 (2001), -EN ISO 6530 (2005), -EN 14605 (2005) including A1(2009), -IMO MSC/Circ.1120.
Paint lockers and flammable liquid lockers fire extinguishing systems components	-Reg. II-2/10.	-Reg. II-2/10, -IMO MSC.1/Circ.1239.	
Galley Exhaust Duct Fixed Fire Extinguishing Systems components	-Reg. II-2/9.	-Reg. II-2/9.	
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) 4, -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, -IMO Res. MSC.98(73)-(FSS Code) 5, -IMO MSC.1/Circ.1313, -IMO MSC.1/Circ.1318.	Electrical automatic control and delay devices: -EN 12094-1 (2003).
			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) including A1 (2005).
			Connectors: -EN 12094-8 (2006).
			Pressure gauges and pressure switches: -EN 12094-10 (2003).
			Mechanical weighing devices: -EN 12094-11 (2003).
Check valves and non-return valves: -EN 12094-13 (2001) including 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 > 52 mm	-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.	
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#### 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 ed4.0 \(2010-11\)](#) - Part 1: Single talker and multiple listeners

[IEC 61162-2 ed1.0 \(1998-09\)](#) - Part 2: Single talker and multiple listeners, high-speed transmission

[IEC 61162-3 ed1.1 Consol. with am1 \(2010-11\)](#) - Part 3: Serial data instrument network

[IEC 61162-3 ed1.0 \(2008-05\)](#) - 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 ed1.0 \(2011-06\)](#) - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection

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 interconnection



Item designation	Regulation SOLAS 74, as amended, where “type approval” is required	Regulations of SOLAS 74, as amended, and the 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) including IEC 60945 Corrigendum 1 (2008), -EN 61108-1 (2003), -EN 61108-2 (1998), -EN 61162 series, -EN 62288 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 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. MSC.36(63)-(1994 HSC Code), -IMO Res. MSC.97(73)-(2000 HSC Code).	-IMO Res. A.382(X), -IMO Res. A.694(17), -IMO Res. MSC.36(63)-(1994 HSC Code), -IMO Res. MSC.97(73)-(2000 HSC Code).	-ISO 1069 (1973), -ISO 25862(2009), -EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008). Or, -ISO 1069 (1973), -ISO 25862(2009), -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008).
Track control system for - high-speed craft	-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) including IEC 60945 Corrigendum 1 (2008), -EN 61162 series, -EN 62288 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 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) including IEC 60945 Corrigendum 1 (2008), -EN 61162 series, -EN 62288 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -IEC 61162 series, -IEC 62288 Ed. 1.0 (2008).
Lateral thrust, pitch and mode indicators	-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) including IEC 60945 Corrigendum 1 (2008), -EN 61162 series, -EN 62288 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -IEC 61162 series, -IEC 62288 Ed. 1.0 (2008).
Bridge equipment system	-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. MSC.36(63)-(1994 HSC Code) 15, -IMO Res. MSC.97(73)-(2000 HSC Code) 15, -IMO Res. MSC.191(79), -IMO SN.1/Circ.288.	-EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -EN 61162 Series, -EN 62288 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 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), -IMO MSC.1/Circ.1307.	-EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -EN 61162 Series. Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -IEC 61162 Series.





<p>Electronic Inclinometer</p>		<p>-IMO Res. A.694(17), -IMO Res. MSC.191(79), -IMO Res. MSC.333(90), -IMO MSC.1/Circ.982, -IMO MSC.1/Circ.1228, -IMO Report MSC 91-22-Add.2 Annex 28</p>	<p>EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -EN 61162 Series. Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -IEC 61162 Series.</p>
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## 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 ed4.0 \(2010-11\)](#) - Part 1: Single talker and multiple listeners

[IEC 61162-2 ed1.0 \(1998-09\)](#) - Part 2: Single talker and multiple listeners, high-speed transmission

[IEC 61162-3 ed1.1 Consol. with am1 \(2010-11\)](#) - Part 3: Serial data instrument network

[IEC 61162-3 ed1.0 \(2008-05\)](#) - 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 ed1.0 \(2011-06\)](#) - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection

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 interconnection



Item designation	Regulation SOLAS 74, as amended, where “type approval” is required	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards
2	3	4	5
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) including IEC 60945 Corrigendum 1 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008).
Radio reserve source of energy	-Reg. IV/14, -Reg. X/3, -IMO Res. MSC.36(63)-(1994 HSC Code), -IMO Res. MSC.97(73)-(2000 HSC Code).	-Reg. IV/13, -IMO Res. A.694(17), -IMO Res. MSC.36(63)-(1994 HSC Code), -IMO Res. MSC.97(73)-(2000 HSC Code), -IMO COMSAR Circ.16, -IMO COMSAR Circ.32.	-EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 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) including IEC 60945 Corrigendum 1 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008).



<p>Distress alarm or alert panel</p>	<p>-Reg. IV/14, -Reg. X/3, -IMO Res. MSC.36(63)-(1994 HSC Code), -IMO Res. MSC.97(73)-(2000 HSC Code).</p>	<p>-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.</p>	<p>-EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008).</p>
<p>Ship security alert system</p>		<p>-Reg. XI-2/6, -IMO Res. A.694(17), -IMO Res. MSC.147(77), -IMO MSC/Circ.1072.</p>	<p>-EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -EN 61162 Series. Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -IEC 61162 Series.</p>
<p>Aeronautical two way VHF radio telephone apparatus</p>	<p>-Reg. IV/14, -Reg. X/3, -IMO Res. MSC.36(63)-(1994 HSC Code) 14, -IMO Res. MSC.97(73)-(2000 HSC Code) 14.</p>	<p>-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>-EN 60945 (2002) including IEC 60945 Corrigendum 1 (2008). -ETSI EN 301 688 V1.1.1 (2000-07). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008). -ETSI EN 301 688 V1.1.1 (2000-07).</p>



## 6. Equipment required under COLREG 72

Item designation	Regulation COLREG 72 where “type approval” is required	Regulations of COLREG and the 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) including IEC 60945 Corrigendum 1 (2008), -Whistles - COLREG 72 Annex III/1 (Performance), -Bells or Gongs - COLREG 72 Annex III/2 (Performance). Or, -IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008), -Whistles - COLREG 72 Annex III/1 (Performance), -Bells or Gongs - COLREG 72 Annex III/2 (Performance).



## 7. Bulk carrier safety equipment

Item designation	Regulation SOLAS 74, as amended, where "type approval" is required	Regulations of SOLAS 74, as amended, and the 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.



## 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 the relevant resolutions and circulars of the IMO, as applicable	Testing standards
2	3	4	5
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.	

## 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. 2723 - 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.





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.
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**Other ~ Marine Engineering equipment**

<b>Item designation</b>
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Fuel and lube oil flexible pipes in machinery spaces and couplings
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Hull Stress Monitoring Systems
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**Other ~ Crew accommodation equipment**

<b>Item designation</b>
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Vacuum discharge piping systems
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Thermostatic mixing valves
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Plant used to produce drinking and/or fresh water
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### Annex 3 - Equipment within the Scope of Part III of This Notice

Item Designation	Applicable Ships	Standard
Firefighter's Radios	UK Class I – II(A), VII – VIII(A), as required by SOLAS Regulation II-2 paragraph 10.4	As communicated through MGN to be published by the MCA
Draught Gauge Indicators	UK Class I – II(A) – as required by SI 1998 No. 2514, Regulation 41.	As communicated through MGN to be published by the MCA
Lifebuoys-lightweight type (horseshoe)	Small Commercial Vessels <sup>1</sup>	Built to the relevant material and construction standards within the ISO 12402 series and providing a minimum of 50 Newton positive buoyancy.
Means of Recovery	Passenger Ships certificated to MSN 1823 (Cat A-D)	The Requirements Stated within MGN 544
ORIL	Ships Certificated in accordance with MGN 469	The Standard Required by MSN 1676, Schedule 4, Part 4.
Radar Reflector	Ships Certificated in accordance with MGN 469	As communicated through MGN to be published by the MCA
Flares	Ships Certificated in accordance with MGN 469	In compliance with the Pyrotechnic Articles Directive and for Rocket flares giving a minimum 90,000 cd and for other flares a minimum 8,000cd
HRUs	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
TPAs	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Hand held orange smoke flare	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Line Thrower	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
VHF	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
EPIRB	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
SART	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Lifebouy	Inland small Pax code	As communicated through MGN to be published by the MCA
Radar Reflector	Fishing 15-24	As communicated through MGN to be published by the MCA
Fire Detection	Inland small Pax Code	As communicated through MGN to be published by the MCA
Fixed Fire Extinguishing	Inland small Pax Code	As communicated through MGN to be published by the MCA
Fixed Fire Extinguishing	Fishing less 15	As communicated through MGN to be published by the MCA
EPIRB	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
VHF DSC	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA



Magnetic Compass	Inland small pax	As communicated through MGN to be published by the MCA
Search Light	Large Yacht	As communicated through MGN to be published by the MCA
Echo Sounder	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
GPS	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Log	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Signalling Lamp	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
SART	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Compass/ Bearing Compass	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Echo Sounder	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
GPS	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Signalling Lamp	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA
Search Light	Small Commercial Vessels <sup>1</sup>	As communicated through MGN to be published by the MCA

<sup>1</sup> 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 and Pilot Boats or MGN 280.



## **Annex 4 – Carriage Requirements**

The following instruments are deemed to be 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 of 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 Categorical Waters – Which is given Legal Force by The Merchant Shipping (Passenger Ships) (Safety Code for UK Categorical Waters) Regulations 2010, SI 2010 No. 680;

The Small Sea Going Passenger Ship Code (A voluntary 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, SI 1998 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 and Garbage from Ships) Regulations 2008, SI 2008 No. 3257;

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 meters Length of 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 and Garbage from Ships) Regulations SI 2008 No.3257.

