



Maritime &
Coastguard
Agency

MARINE INFORMATION NOTE

MIN 698 Amendment 1 (M) Workboat Code Edition 3 – Standards and Guidelines for Best Practice

Notice to all designers, builders, owners, operators, employers, crews, masters of small workboats, pilot boats, remotely operated unmanned vessels, and Certifying Authorities.

This notice should be read with The Workboat Code Edition 3.

This MIN expires 31 December 2025.

Summary

This Marine Information Notice is intended to supplement The Workboat Code Edition 3 by providing a summary of standards referenced therein and guidelines considered as best practice for small workboats and pilot boats certified under this edition of the Code.

This M Notice is not exhaustive and shall be viewed as guidance only.

1. Introduction

- 1.1 In 2023, the Maritime and Coastguard Agency published “The Safety of Small Workboats and Pilot Boats – A Code of Practice Edition 3”.
- 1.2 The Workboat Code Edition 3 came into force on 13 December 2023, and it replaces:
 - a. The Safety of Small Workboats and Pilot Boats – A Code of Practice Edition 1 (the “Brown Code”);
 - b. MGN 280 Small Vessels in Commercial Use for Sport or Pleasure, Workboats and Pilot Boats – Alternative Construction Standards, in so far as it applies to small workboats and pilot boats; and,

- c. The Workboat Code Edition 2, as amended.

2. Summary

2.1 The following is a summary of current standards and guidelines applicable to vessels certified under the Workboat Code Edition 3. All standards and guidelines listed are at the point of publication of this M Notice the most up to date version. Where a standard or guideline is no longer in date but is still referenced within the Code, it is the responsibility of the vessel owner/operator to use the latest edition.

2.2 Equivalent standards may be considered on a case-by-case basis subject to the approval of the Administration.

2.3 Numbering refers to applicable section reference(s) within the Code.

Section 2 – Definitions	
“Certifying Authority”	MIN 538 (M) Amendment 6 Codes of Practice - Authorisation of certifying authorities
“High voltage”	ISO 60038:2009 IEC Standard Voltages
“Load line length”	MGN 645 (M) Load line length – policy clarification: hull form cut-outs, extensions and steps
“Programmable Electronic Systems”	BS EN 61508-4:2010 Functional safety of electrical/electronic/programmable electronic safety related systems. Part 4: Definitions and abbreviations
“Software”	BS EN 61508-4:2010 Functional safety of electrical/electronic/programmable electronic safety related systems. Part 4: Definitions and abbreviations

Section 3 – Application, Interpretation and Certification	
3.6.1	MGN 564 (M+F) – Marine Casualty and Marine Incident Reporting
3.12.1	The Merchant Shipping (Official Log Books) Regulations 1981 Official MCA Log Books

Section 4 – Certification and Examinations	
4.5.2.2.1	MSN 1672 (M+F) Amendment 4 – Ship inspection and survey organisations
4.5.2.5	MGN 546 (M) Amendment 1 In-Water Survey

Section 5 – Construction and Structural Strength	
5.3.3.2/ 5.3.3.3	<p>ISO 12215-5: 2019 Small Craft – Hull Construction and Scantlings Part 5: Design pressures for monohulls, design stresses, scantlings determination.</p> <p>ISO 12215-4:2018 Small Craft -Hull Construction and Scantlings - Workshop and Manufacturing</p> <p>Seafish construction standards for 15-24m vessels</p> <p>Seafish construction standards for <15m vessels</p> <p>Seafish construction standards for multi-hull vessels.</p>
5.5.2.2	<p>ISO 11812: 2020 Small craft – Watertight or quick-draining recesses and cockpits</p> <p>BS EN ISO 11812:2024:+A1:2024 Small craft – Watertight or quick-draining recesses and cockpits</p>
5.8.2	<p>The Provision and Use of Work Equipment Regulations 1998</p> <p>MGN 331 (M+F) Amendment 3 The Merchant Shipping and Fishing Vessels (Provision and use of work equipment) (PUWER) Regulations 2006</p> <p>Code of Safe Working Practices for Merchant Seafarers (COSWP) 2024</p>
5.9.3.1	<p>ISO 6185-2: 2001 Inflatable boats — Part 2: Boats with a maximum motor power rating of 4,5 kW to 15 kW inclusive</p> <p>BS EN ISO 6185-2: 2018 Inflatable Boats - Part 2: Boats with a maximum motor power rating of 4,5 kW to 15 kW inclusive</p> <p>ISO 6185-3: 2014 Inflatable boats — Part 3: Boats with a hull length less than 8 m with a motor rating of 15 kW and greater</p> <p>BS EN ISO 6195-3: 2024 Inflatable Boats - Part 3: Boats with a hull length less than 8 m with a motor rating of 15 kW and greater</p>

	<p>ISO 6185-4: 2011 Inflatable boats — Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater</p> <p>BS EN ISO 6185-4: 2018 Inflatable Boats - Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater</p>
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Section 6 – Weathertight Integrity

6.1.1	<p>ISO 12216: 2020 Small Craft — Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements</p> <p>BS EN ISO 12216: 2022 + A11:2023 Small Craft — Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements</p>
6.3.6	<p>MSN 1672 (M+F) Amendment 4: Ship inspection and survey organisations</p>
6.4.1.4.2	<p>BSI – BS MA 18 Salt Water Piping Systems in Ships</p> <p>ISO 10497:2010 Testing of valves – Fire type-testing requirements</p> <p>BS EN ISO 10497: 2022 Testing of valves – Fire type-testing requirements</p> <p>ISO 15540: 2016 Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Test methods</p> <p>ISO 13363: 2016 Rubber and plastics hoses for marine-engine wet-exhaust systems – Specification; or SAE J2006 R2 – Marine Exhaust Hose</p> <p>IMO A.753(18) Guidelines for the Application of Plastic Pipes on Ships</p>

Section 8 – Machinery, Propulsion and Fuel Systems

8.7.1	<p>MGN 664 (M+F) Amendment 1 Certification process for vessels using innovative technology</p>
8.10.1	<p>ISO 10088: 2021 Small Craft — Permanently installed fuel systems</p> <p>BS EN ISO 10088: 2023 - Small Craft — Permanently installed fuel systems</p>

	<p>ISO 13591:1997 Small Craft – Portable fuel systems for outboard motors</p> <p>ISO 21487: 2012 Small Craft – Permanently installed petrol and diesel fuel tanks</p> <p>BS EN ISO 21487: 2023 - Small Craft – Permanently installed petrol and diesel fuel tanks</p>
8.11.1	ISO 7840: 2021 Small craft – Fire resistant fuel hoses
8.11.3.1	<p>ISO 10088: 2021 Small craft – Permanently installed fuel systems</p> <p>BS EN ISO 10088: 2023 - Small Craft – Permanently installed fuel systems</p> <p>ISO 7840: 2021 Small craft – Fire resistant fuel hoses</p> <p>ISO 15540: 2016 Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Test methods</p>
8.12.1	<p>ISO 21487: 2012 Small craft – Permanently installed petrol and diesel fuel tanks</p> <p>BS EN ISO 21487:2023 - Small Craft – Permanently installed petrol and diesel fuel tanks</p> <p>ISO 11105: 2020 Small craft – Ventilation of petrol engine and/or petrol tank compartments</p>
8.12.9	<p>ISO 11105: 2020 Small craft – Ventilation of petrol engine and/or petrol tank compartments</p> <p>ISO 9094: 2015 Small craft – Fire protection</p> <p>BS EN ISO 9094:2022 Small craft – Fire Protection</p>
8.15.1	<p>MGN 658 (M+F) Merchant shipping and fishing vessels control of noise at work regulations 2007</p> <p>MGN 636 (M) Amendment 3 Merchant shipping and fishing vessels (health and safety at work) regulations 1997</p>

8.15.2	<p>MGN 353 (M+F) Amendment 2 control of vibration at work regulations 2007</p> <p>MGN 636 (M) Amendment 3 Merchant shipping and fishing vessels (health and safety at work) regulations 1997</p>
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Section 9 – Electrical Installations	
9.1.1	<p>British Marine Electrics and Electronics Association Code of Practice (6th Edition)</p> <p>BS 8450: 2006 Code of Practice for Installation of Electrical and Electronic Equipment in Ships</p> <p>BSI – BS 6883 Elastomer Insulated Cables for Fixed Wiring in Ships and on Mobile and Fixed Offshore Units – Requirements and Test Methods</p> <p>BS EN 60092-507: 2015 Electrical Installations in Ships – Small vessels</p> <p>BS EN 60332-1-3: 2004+A1: 2015 Tests on electric and optical fibre cables under fire conditions – Test for vertical flame propagation for a single insulated wire or cable. Procedure for determination of flaming droplets/particles</p> <p>BS EN 60332-1-2: 2004+A12: 2020 Tests on electric and optical fibre cables under fire conditions – Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame</p> <p>BS EN IEC 60332-3-10: 2018+ A11: 2020 Tests on electric and optical fibre cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables. Apparatus</p> <p>BS EN 61140: 2016 Protection against electric shock. Common aspects for installation and equipment</p> <p>ISO 13297: 2020 Small Craft – Electrical systems – Alternating and direct current installations</p> <p>BS EN ISO 13297:2021 + A11:2023 Small Craft – Electrical systems – Alternating and direct current installations</p> <p>BS EN ISO 8846: 2017 Small Craft – Electrical devices. Protection against ignition of surrounding flammable gases</p> <p>BS EN 60079-26: 2015 Explosive atmospheres – Equipment with equipment protection level (EPL) Ga</p>

	BS EN IEC 60079-26:2024 Explosive atmospheres – Equipment with separation Elements or combined levels of protection
9.6.1	ISO/TR 10134: 2020 Small Craft – Electrical devices – Established practices for the design, construction and installation of lightning-protection systems

Section 10 – Steering, Rudder and Propulsion Systems

10.1.3	MGN 199 (M) Dangers of interaction
10.2.2	ISO 13929: 2001 Small Craft – Steering gear – Geared link systems BS EN ISO 13929:2017 Small Craft – Steering gear – Geared link systems ISO 10592: 2021 Small Craft – Remote hydraulic steering systems BS EN ISO 10592:2022 Small Craft – Remote hydraulic steering systems

Section 12 – Stability

12A.2.5	ISO 12217-1: 2022 Small Craft – Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of hull length greater than or equal to 6 m ISO 12217-2: 2022 Small Craft – Stability and buoyancy assessment and categorization – Part 2: Sailing boats of hull length greater than or equal to 6 m ISO 12217-3: 2022 Small Craft Stability and buoyancy assessment and categorization. Boats of hull length less than 6m
12B.5.4	Section 2.8 of Part B of the IMO’s amended Intact Stability Code (2008 IS Code)

Section 13 – Freeboard and Freeboard Marking

13.3.2	<p>MSN 1752 (M): The Merchant Shipping (Load Line) Regulations 1998, as amended by the Merchant Shipping (Load Line) (Amendment) Regulations 2000</p> <p>MSN 1752 (M) (Corrected page 10) The Merchant Shipping (LoadLine) Regulations 1998, as amended by the Merchant Shipping (Load Line) (Amendment) Regulations 2000</p>
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Section 14 – Life-Saving Appliances

14.4.1.3	<p>ISO 12402-2: 2020 Personal floatation devices – Part 2: Lifejackets, performance level 275 – Safety requirements</p> <p>ISO 12402-3: 2020 Personal floatation devices – Part 3: Lifejackets, performance level 150 – Safety requirements</p>
14.7.1	<p>MGN 544 (M+F) Life-Saving Appliances – Means of recovery</p>
14.12.2.1	<p>MSN 1874 (M+F) Amendment 9 Marine Equipment – United Kingdom conformity assessment procedures for marine equipment, Other Approval and Standards</p> <p>Reference: UK/4.18</p>
14.12.2.2	<p>MSN 1874 (M+F) Amendment 9 Marine Equipment – United Kingdom conformity assessment procedures for marine equipment, Other Approval and Standards</p> <p>Reference: UK/4.55</p>

Section 15 – Fire Safety

15.1.3.1.1	<p>Resolution MSC.307(88) (adopted on 3 December 2010) International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code) – Part 1 – Non-combustibility Test</p>
Table 15.1.3.2.1	<p>Resolution MSC.307(88) (adopted on 3 December 2010) International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code) – Part 8 – Test for upholstered furniture</p>

15.2.3	ISO 10239: 2014 Small Craft – Liquified petroleum gas (LPG) systems
15.2.7.2	Resolution MSC.307 (88) (adopted on 3 December 2010) International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code)
15.3.1	ISO 14895:2016 Small craft – Liquid-fuelled galley stoves and heating appliances
15.6.3.1	BS EN 50291-1: 2018 Gas detectors. Electrical apparatus for the detection of carbon monoxide in domestic premises – Test methods and performance requirements BS EN 50291-2: 2019 Electrical apparatus for the detection of carbon monoxide in domestic premises - Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises including recreational craft. Additional test methods and performance requirements
15.6.4.1	MSN 1874 (M+F) Amendment 9 Marine Equipment - UK conformity assessment procedures for marine equipment, other approval and standards MSC.1/Circ.1370 Guidelines for the design, construction and testing of fixed hydrocarbon gas detection systems

Section 16 – Fire Appliances	
16.3.2.4	BS EN 3 Part 8: 2021 Portable Fire Extinguishers
16.4.1.4.3	MGN 354 (M+F) Fishing and small vessels: safe operation of fixed CO2 gas fire extinguishing systems
16.4.1.4.7	MGN 657 (M+F) Requirements for fixed aerosol fire extinguishing systems for use in small machinery spaces
16.5.1	BS EN 1869:2019 Fire Blankets

Section 17 – Radiocommunications Equipment	
17.1.2	<p>R&TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of conformity to include:</p> <ul style="list-style-type: none"> • Ship Earth Station – <p>2.4 1. IEC 60945 or EN 60945</p> <p>2.5 2. IEC 61097-4, ETS 300 460 or EN 301 843</p> <ul style="list-style-type: none"> • EGC Receiver - IEC 61097-4; IEC 60945 or EN 60945. <p>MED/MER Annex referenced by MED (Wheelmark) compliance certificate:</p> <ul style="list-style-type: none"> • Ship Earth Station- A.1/5.13 • EGC Receiver - A.1/5.4.
Table 17.2.1 MF radio installation with DSC	<p>R&TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of conformity to include:</p> <ul style="list-style-type: none"> • Transceiver unit - EN 300 373-3 + EN 338-4 (class E) or EN 303 402; • Watchkeeping receiver- EN 301 033. <p>MED/MER Annex referenced by MED (Wheelmark) compliance certificate:</p> <ul style="list-style-type: none"> • Transceiver unit - A.1/5.10 for MF or A.1/5.14 for MF/H • Watchkeeping receiver - A.1/5.11 for MF or A.1/5.15 for MF/HF.
Table 17.2.1 NAVTEX receiver	<p>R&TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of conformity to include - EN 300 065 or</p> <p>IEC 61097-6</p> <p>MED/MER Annex referenced by MED (Wheelmark) compliance certificate - A.1/5.3</p>
Table 17.2.1 Note D	<u>MIN 636 (M+F) Amendment 3 Iridium GMDSS recognised mobile satellite service</u>
17.4.1	<p><u>MGN 324 (M+F) Amendment 2 Navigation - Watchkeeping Safety - Use of VHF Radio and AIS</u></p> <p>R&TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of conformity to include:</p> <ul style="list-style-type: none"> • VHF Portable Radio Receiver - EN 302 885-3;

	<ul style="list-style-type: none"> • VHF DSC Transceiver - EN 301 025-3; • VHF DSC Watchkeeping receiver - EN 301 033. <p>MED/MER Annex referenced by MED (Wheelmark) compliance certificate:</p> <ul style="list-style-type: none"> • VHF DSC Transceiver - A.1/5.1; <p>VHF DSC Watchkeeping receiver - A.1/5.2.</p> <p>Survival craft two-way VHF radiotelephone</p> <p>R&TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of Conformity to include: EN 300 225</p> <p>MED/MER Annex referenced by MED (Wheelmark) compliance certificate: A.1/5.17.</p>
17.5.4	<p><u>MGN 665 (M+F) Registration of Emergency Position Indicating Radio Beacons (EPIRBs) and 406 MHz PLBs used in the maritime environment</u></p> <p>R&TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of Conformity to include: IEC 61097-4; IEC 60945 or EN 60945</p> <p>MED/MER Annex referenced by MED (Wheelmark) compliance certificate: A.1/5.6</p>
17.6.1	<p><u>MGN 665 (M) Registration of Emergency Position Indicating Radio Beacons (EPIRBs) and 406 MHz PLBs used in the maritime environment</u></p> <p>ETSI – EN 302 152 Electromagnetic compatibility and Radio spectrum Matters (ERM); Satellite Personal Locator Beacons (PLBs) operating in the 406,0 MHz to 406,1 MHz frequency band</p> <p>ITU M.493-16</p>
17.8.1.2	<p><u>MGN 375 (M+F) Amendment 1 Navigation: maritime safety information (MSI)</u></p>

Section 19 – Navigation

19.6.1	<p>ISO 8729-1: 2010 Ships and marine technology – Marine radar reflectors – Part 1: Passive Type</p> <p>ISO 8729-2: 2009 Ships and marine technology – Marine radar reflectors – Part 2: Active Type</p> <p>MGN 349 (M+F) Amendment 1 Carriage and use of radar reflectors on small vessels</p>
19.7.1.3	<p>BS EN 62252: 2004 Maritime navigation and radiocommunication equipment and systems. Radar for craft not in compliance with IMO SOLAS Chapter V. Performance requirements, methods of test and required test results</p> <p>SIST EN 302 248 Navigation radar for use on non-SOLAS vessels – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU</p> <p>Radio and Telecommunications Terminal Equipment Directive (2014/53/EC)</p>
19.7.1.4	<p>MGN 465 (M+F) Navigation: automatic identification systems (AIS) annual testing</p> <p>COMSAR/Circ.32 Harmonization of GMDSS requirements for radio installations on board SOLAS ships</p>

Section 21 – Accommodation and Recreational Facilities

21.1.4	<p>MIN 689 (M) Amendment 1 MLC Food and catering recognised qualifications</p>
21A.1.3	<p>MGN 658 (M+F) Merchant shipping and fishing vessels control of noise at work regulations 2007</p> <p>MGN 353 (M+F) Amendment 2 control of vibration at work regulations 2007</p> <p>MGN 636 (M) Amendment 3 Merchant shipping and fishing vessels (health and safety at work) regulations 1997</p> <p>MGN 436 (M+F) Amendment 4 whole body vibration - guidance on mitigating against the effects of shocks and impacts on small vessels</p>

Section 22 – Protection of Personnel

22

[The Merchant Shipping and Fishing Vessels \(Health and Safety at Work\) Regulations 1997](#)

[MGN 636 \(M\) Amendment 3 Merchant shipping and fishing vessels \(health and safety at work\) regulations 1997](#)

[MGN 658 \(M+F\) Merchant shipping and fishing vessels control of noise at work regulations 2007](#)

[MGN 353 \(M+F\) Amendment 2 control of vibration at work regulations 2007](#)

[MGN 436 \(M+F\) Amendment 4 whole body vibration - guidance on mitigating against the effects of shocks and impacts on small vessels](#)

[MGN 331 \(M+F\) Amendment 3 The Merchant Shipping and Fishing Vessels \(Provision and use of work equipment\) \(PUWER\) Regulations 2006](#)

[MGN 332 \(M+F\) Amendment 3 The Merchant Shipping and Fishing Vessels \(Lifting operations and lifting equipment\) Regulations 2006](#)

[MGN 410 \(M+F\) Amendment 3 Health and safety at work \(Work at height\) Regulations 2010](#)

[MGN 90 \(M+F\) Amendment 3 Implementation of EC Directive 90/269/EC, the merchant shipping and fishing vessels \(Manual handling operations\) Regulations 1998](#)

[MSN 1870 \(M+F\) Amendment 5 Personal protective equipment \(PPE\) Regulations 1999](#)

[Code of Safe Working Practices for Merchant Seafarers \(COSWP\) 2024](#)

[The Merchant Shipping \(Safe Movement on Board Ship\) Regulations 1988](#)

[MGN 624 \(M+F\) Amendment 2 Health and safety at work \(Carcinogens and mutagens\) Regulations 2007](#)

[MSN 1889 \(M+F\) Amendment 4 Merchant Shipping and Fishing Vessels Health and Safety at work biological agents regulations](#)
[MSN 1888 \(M+F\) Amendment 4 Merchant shipping and fishing vessels health and safety at work chemical agents regulations 2010](#)

[MGN 591 \(M+F\) Amendment 2 Provision of safe means of access to fishing vessels and small vessels in ports](#)

	<p>MSN 1890 (M+F) Amendment 4 the merchant shipping and fishing vessels health and safety at work regulations 1997 and the merchant shipping maritime labour convention medical certification regulations 2010 new and expectant mothers</p> <p>MGN 428 (M+F) Amendment 3 merchant shipping and fishing vessels (health and safety at work) (artificial optical radiation) regulations 2010</p> <p>MGN 669 (M+F) Amendment 2 The Merchant Shipping and Fishing Vessels (Health and Safety at Work) (Asbestos) Regulations 2010</p> <p>MGN 559 (M+F) Amendment 1 Merchant Shipping Fishing Vessels (Health and Safety at work)(Electromagnetic Fields) Regulations 2016</p>
22.2.2.6.2	<p>ISO 15085: 2003 Small Craft – Man overboard prevention and recovery</p> <p>BS EN ISO 15085:2024 Small Craft – Man overboard prevention and recovery</p>

Section 23 – Medical Care	
23.1.1	MSN 1905 (M+F) Amendment 3 application of ships' medical stores regulations 1995
23.2.1	MSN 1905 (M+F) Amendment 3 application of ships' medical stores regulations 1995
23.3.1.2	<p>The Merchant Shipping (Maritime Labour Convention) (Medical Certification) Regulations 2010</p> <p>MGN 482 (M) Amendment 1 MLC 2006 - medical care</p> <p>MSN 1886 (M+F) Amendment 2 MLC, 2006 work in fishing convention, 2007 (ILO No. 188) medical examination system - appointment of approved doctors and medical and eyesight standards</p>

Section 25 – Cargo Carrying, Lifting, High Speed and Bow Push Up Operations

25.2.3.3.	<p>BS 7121 Code of practice for safe use of cranes</p> <p>BS EN 13852-1: 2021 Cranes. Offshore cranes – Part 1. General-purpose offshore cranes</p> <p>BS EN 13852-2: 2004 Cranes. Offshore cranes</p> <p>BS EN 12999: 2020 Cranes. Loader cranes</p> <p>BS EN ISO 12999 AMD1. Cranes. Loader cranes 2023</p> <p>ISO 9928-1: 2015 Cranes – Crane operating manual – Part 1: General</p> <p>ISO 19354: 2016 Ships and marine technology – Marine cranes – General requirements</p>
25.2.3.4	<p>BS 7121-2-4:2013 Code of practice for safe use of cranes. Inspection, Maintenance, and Thorough Examination – Loader Cranes</p> <p>BS EN 13852-1: 2013 Cranes. Offshore cranes – General purpose offshore cranes</p> <p>BS EN 13852-2: 2004 Cranes. Offshore cranes – Floating cranes</p> <p>BS EN 12999: 2020 Cranes. Loader cranes</p> <p>BS EN ISO 12999 AMD1. Cranes. Loader cranes 2023</p> <p>The Provision and Use of Work Equipment Regulations 1998</p> <p>Code for Lifting Appliances in the Marine Environment, Lloyd’s Register</p>
25.3.6	<p>MGN 424 (M) Amendment 1 Safety responsibilities on board dive boats</p>
25.3.7	<p>See Sections 5 and 12</p>

Section 26 – Towing and Non-Self-Propelled Vessels

26.3.1.6

[MGN 592 \(M+F\) Amendment 2 Anchoring, mooring, towing or hauling equipment on all vessels: safe installation and safe operation](#)

Resolution A.765(18) Guidelines on the safety of towed ships and other floating objects including installations, structures and platforms at sea

MSC.1.Circ.1175/Rev.1 Revised Guidance on Shipboard Towing and Mooring Equipment

The Use of Workboats for Towage – Good Practice Guide, 12/6/16 including the Vessel Stability Annex, 08/18

Section 28 – Manning

28.1.5

[MSN 1886 \(M+F\) Amendment 1 MLC, 2006 work in fishing convention, 2007 \(ILO No. 188\) medical examination system - appointment of approved doctors and medical and eyesight standards](#)

[MGN 640 \(M+F\) Amendment 1 Medical fitness requirements for those employed on boats certified under MCA codes of practice, crew of seagoing local passenger vessels and non-seagoing boatmasters](#)

Section 29 – Carriage and Transfer of Dangerous Goods

29.1.4

[The Merchant Shipping \(Dangerous Goods and Marine Pollutants\) Regulations 1997](#)

29.7.4

[Resolution MSC.307\(88\) \(adopted on 3 December 2010\) International Code for Application of Fire Test Procedures, 2010 \(2010 FTP Code\). Part 11 Test for fire-resisting divisions of high-speed craft](#)

29.10.1.8.2	<p>BS EN 13765: 2018 Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals. Specification</p> <p>BS EN 857: 2015 Rubber hoses and hose assemblies – Wire braid reinforced compact type for hydraulic applications – Specification</p>
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Section 30 – Prevention of Pollution	
30.1.1	<p>The Merchant Shipping (Port Waste Reception Facilities Regulations) 2003 (SI 2003/1809), as amended</p> <p>MGN 563 (M+F) Amendment 2 Port Waste Reception Facilities and Management Planning management planning</p>
30.2.1	<p>The Merchant Shipping (Prevention of Pollution by Sewage from Ships) Regulations 2020 (MARPOL Annex IV), (SI 2020/620)</p> <p>MGN 631 (M+F) Amendment 1 The merchant shipping (Prevention of pollution by sewage from ships) regulations 2020</p>
30.3.1	<p>The Merchant Shipping (Prevention of Pollution by Garbage from Ships) Regulations 2020 (MARPOL Annex V), (SI 2020/621)</p> <p>MGN 632 (M+F) Amendment 2 The merchant shipping (prevention of pollution by garbage from ships) regulations 2020</p>
30.4.1	<p>The Merchant Shipping (Anti-fouling Systems) Regulations 2009 (SI 2009 No. 2796) as amended</p> <p>MGN 398 (M+F) Amendment 1 Merchant shipping (anti-fouling systems) regulations 2009</p>
30.5.1	<p>MSN 1819 The merchant shipping (prevention of air pollution from ships) regulations 2008</p> <p>MSN 1819 Amendment 1 (M+F) Prevention of air pollution from ships</p>

Section 31 – Safety Management

31.3.2

Resolution MSC.428(98) (adopted on 16 June 2017) Maritime Cyber Risk Management in Safety Management Systems

BS EN IEC 61162-460: 2018+ A1: 2020 Maritime navigation and radiocommunication equipment and systems. Digital interfaces – Multiple talkers and multiple listeners. Ethernet interconnection. Safety and security

BS IEC 61162-460:2024 Maritime navigation and radiocommunication equipment and systems. Digital interfaces – Multiple talkers and multiple listeners. Ethernet interconnection. Safety and security

BS EN IEC 63154: 2021 Maritime navigation and radiocommunication equipment and systems. Cybersecurity. General requirements, methods of testing and required test results

Appendix 2A – Liquid Petroleum Gas Installation for Domestic Marine Use

2.5

BS EN IEC 60079-14: 2019 Explosive atmospheres

Appendix 3

Appendix 5 – Safe Manning

Table A5.3 Note B

[MIN 503 \(M\) Training for ECDIS as Primary Means of Navigation](#)

Appendix 8 – Safety Management System

11.2

[MGN 564 \(M+F\) Marine casualty and marine incident reporting](#)

Annex 1 Alternative Fuels and propulsion Systems	
1.2.3	ISO 12217-1: 2015 Small craft – Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of hull length greater than or equal to 6 m (6.1.2)
2.1.1	BS EN ISO 16315:2016 Small craft. Electric propulsion system
2.2.2	<p>BS EN 62619: 2017 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for secondary lithium cells and batteries, for use in industrial applications</p> <p>BS EN IEC 62619:2022 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for secondary lithium cells and batteries, for use in industrial applications</p> <p>BS EN 62620: 2015 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for use in industrial applications</p> <p>BS EN 62620:2015 + A1:2023 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for use in industrial applications</p>
2.2.3	<p>BS EN 62619: 2017 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for secondary lithium cells and batteries, for use in industrial applications</p> <p>BS EN IEC 62619:2022 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for secondary lithium cells and batteries, for use in industrial applications</p> <p>BS EN 62620: 2015 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for use in industrial applications</p> <p>BS EN 62620:2015 + A1:2023 Secondary cells and batteries containing alkaline or other non-acid electrolytes. Secondary lithium cells and batteries for use in industrial applications</p>
2.3.3	<p>ISO 16315: 2016 Small craft – Electric propulsion system</p> <p>BS 8450: 2006 Code of Practice for Installation of Electrical and Electronic Equipment in Ships</p> <p>BS EN 60092-507: 2015 Electrical installations in ships – Part 507 – Small vessels</p>

2.6.3	BS EN IEC 60079-14: 2019 Explosive atmospheres – Part 14. Electrical installations design, selection and erection
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Annex 2 Remotely Operated Unmanned Vessels	
1.1.3	MGN 664 (M+F) Amendment 1 Certification process for vessels using innovative technology
3.4.1.4	Resolution A.1021(26) Code on Alerts and Indicators, 2009
5.2.1	The International Regulations for Preventing Collisions at Sea 1972
5.5.1.2	MSC.1/Circ.1580 Guidelines for Vessels and Units with Dynamic Positioning (DP) Systems
7.2.3	MGN 703: Information concerning the training and competence of Remote Operators working with Remotely Operated Unmanned Vessels (ROUVs), certified under the Workboat Code Edition 3
7.5.1.5	The Radio Equipment Directive (RED) (EU CE marking directives) MGN 331 (M+F) Amendment 3 The Merchant Shipping and Fishing Vessels (Provision and use of work equipment) (PUWER) Regulations 2006 equipment (PUWER) regulations 2006
8.6	<p>MSC.1/Circ.1512 Guideline on Software Quality Assurance and Human-Centred Design for E-Navigation</p> <p>BS EN 61508-3: 2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Software requirements (Reuse of pre-existing software elements to implement all or part of a safety function)</p> <p>BS EN 61508-4: 2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Definitions and abbreviations</p> <p>BS EN 61508-5: 2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Examples of methods for the determination of safety integrity levels</p> <p>ISO 17894: 2005 Ships and marine technology – Computer applications – General principles for the development and use of programmable electronic systems in marine applications</p>

	<p>BS ISO/IEC 15026-3: 2015 Systems and software engineering. Systems and software assurance. System integrity levels</p> <p>BS ISO/IEE/IEEE 15026-3:2023 Systems and software engineering. Systems and software assurance. System integrity levels</p>
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