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### **Shipping Information Notice – 107(a)**

The Workboat Code Edition 3 Standards and Guidelines for Best Practice

*(To be read in conjunction with SIN 107 & The Workboat Code Standards and Guidelines  
for Best Practice)*

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**To: Masters, Owners, Operators, Certifying Authorities & Builders**

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#### **Introduction**

This Shipping Information Notice (SIN) is intended to supplement SIN 107 and The Workboat Code Edition 3 Standards and Guidelines for Best Practice, by providing where appropriate references to Gibraltar legislation and/or requirements which should be referred to in addition to those referenced within the original summary of standards for small workboats and pilot boats certified under this edition of the Code.

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

In the absence of a specific Gibraltar requirement, the original reference within the Standards and Guidelines for Best Practice shall have effect. In cases of any further clarification required, Certifying Authorities are to contact the Gibraltar Maritime Administration via; [maritime.survey@gibraltar.gov.gi](mailto:maritime.survey@gibraltar.gov.gi)

#### **1. Summary**

- 1.1 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 SIN 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.
- 1.2 In addition to the standards referenced within the following summary, Gibraltar registered vessels may be provided with marine equipment as per Shipping Guidance Notice 093(a), section 2(a).
- 1.3 Equivalent standards may be considered on a case-by-case basis subject to the approval of the Administration *(see Shipping Guidance Notice 093(a), section 2)*.
- 1.4 Numbering refers to applicable section reference(s) within the Code.

Steve Gomez – Chief Surveyor (Ag)  
For and on behalf of the Maritime Administrator

Issue date: 16 April 2024

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| <b>Section 2 – Definitions</b>                                   |                                                                                                                                                                                                       |
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| “Certifying Authority”                                           | Gibraltar Merchant Shipping (Organisations for Inspection, Survey and Certification of Ships) Regulations 2011<br><br>Gibraltar Merchant Shipping (Survey, Certification and Safety) Regulations 2004 |
| “High voltage”                                                   | ISO 60038:2009 IEC Standard Voltages                                                                                                                                                                  |
| “Load line length”                                               | Gibraltar Merchant Shipping (Load Lines) Regulations 2004<br><br>MGN 645 (M) Load line length – policy clarification: hull form cut-outs, extensions and steps                                        |
| “Programmable Electronic Systems”                                | ISO 61508-4:2010 Functional safety of electrical/electronic/programmable electronic safety related systems. Part 4: Definitions and abbreviations                                                     |
| “Software”                                                       | ISO 61508-4:2010 Functional safety of electrical/electronic/programmable electronic safety related systems. Part 4: Definitions and abbreviations                                                     |
| <b>Section 3 – Application, Interpretation and Certification</b> |                                                                                                                                                                                                       |
| 3.6.1                                                            | Gibraltar Merchant Shipping (Accident Reporting and Investigation) Regulations 2012<br><br>SGN 053 Accident and Incident Reporting Form                                                               |
| 3.12.1                                                           | SGN 075 - Guidance on Log Books & retention periods of entries<br><br>Official MCA Log Books                                                                                                          |

| 3.13.2                                            | MGN 79 Safety equipment and pollution prevention equipment carried in excess of statutory requirements |
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| <b>Section 4 – Certification and Examinations</b> |                                                                                                        |
| 4.5.2.2.1                                         | Gibraltar Merchant Shipping (Survey, Certification and Safety) Regulations 2004                        |
| 4.5.2.5                                           | MGN 546 (M) In-Water Survey                                                                            |

| <b>Section 5 – Construction and Structural Strength</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 5.2.2                                                   | ISO 12215-5: 2019 Small craft – Hull construction and scantlings – Part 5: Design pressures for monohulls, design stresses, scantlings determination                                                                                                                                                                                                                                                                                      |
| 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 Small Craft -Hull Construction and Scantlings - Workshop and Manufacturing</p> <p>Seafish construction standards for 15-24m vessels</p> <p>Seafish construction standards for &lt;15m vessels</p> <p>Seafish construction standards for multi-hull vessels.</p> |
| 5.5.2.2                                                 | ISO 11812: 2020 Small craft – Watertight or quick-draining recesses and cockpits                                                                                                                                                                                                                                                                                                                                                          |
| 5.8.3                                                   | <p>SIN 017(a)</p> <p>Code of safe working practices for merchant seafarers (COSWP)</p> <p>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999</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>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>                                                                                                                                                                                |
|                                                         | 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                                                                                                                                                                                                                                                                                               |
| <b>Section 6 – Weathertight Integrity</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6.1.1                                                   | ISO 12216: 2020 Small Craft – Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements                                                                                                                                                                                                                                                                                                               |
| 6.3.6                                                   | Gibraltar Merchant Shipping (Organisations for Inspection, Survey and Certification of Ships) Regulations 2011                                                                                                                                                                                                                                                                                                                            |

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| 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>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> |
| <b>Section 8 – Machinery, Propulsion and Fuel Systems</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8.7.1                                                     | MGN 664 Certification process for vessels using innovative technology                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 8.10.1                                                    | <p>ISO 10088: 2021 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>                                                                                                                                                                                                                                                                   |
| 8.11.1                                                    | ISO 7840: 2021 Small craft – Fire resistant fuel hoses                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 8.11.3.1                                                  | ISO 10088: 2021 Small craft – Permanently installed fuel systems                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                           | <p>ISO 15540: 2016 Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Test methods</p> <p>ISO 7840: 2021 Small craft – Fire resistant fuel hoses</p>                                                                                                                                                                                                                                                                                                  |
| 8.12.1                                                    | <p>ISO 21487: 2012 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>                                                                                                                                                                                                                                                                                                                        |

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| 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 8.15.1                                      | <p>MLN 018 Health and Safety – Vibration MLC 4.3(B)</p> <p>MLN 019 HS Policies- Noise MLC 4 3(C)</p> <p>Control of Noise at Work Regulations 2006</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 8.15.2                                      | <p>MLN 018 Health and Safety – Vibration MLC 4.3(B)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Section 9 – Electrical Installations</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9.1.1                                       | <p>British Marine Electrics and Electronics Association Code of Practice (5<sup>th</sup> 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> |

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|                                                             | <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 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> |
| 9.6.1                                                       | ISO/TR 10134: 2020 Small Craft – Electrical devices – Established practices for the design, construction and installation of lightning-protection systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Section 10 – Steering, Rudder and Propulsion Systems</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 10.1.3                                                      | MGN 199 (M) Dangers of interaction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 10.2.2                                                      | <p>ISO 13929: 2001 Small Craft – Steering gear – Geared link systems</p> <p>ISO 10592: 2021 Small Craft – Remote hydraulic steering systems</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Section 12 – Stability</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 12A.2.5                                                     | <p>ISO 12217-1: 2021 Small Craft – Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of hull length greater than or equal to 6 m</p> <p>ISO 12217-2: 2021 Small Craft – Stability and buoyancy assessment and categorization – Part 2: Sailing boats of hull length greater than or equal to 6 m</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 12B.5.4                                                     | Section 2.8 of Part B of the IMO's amended Intact Stability Code (2008 IS Code)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>Section 13 – Freeboard and Freeboard Marking</b> |                                                                                                                                                                                                                                                                                                                                                                                                               |
| 13.3.1                                              | Gibraltar Merchant Shipping (Load Lines) Regulations 2004                                                                                                                                                                                                                                                                                                                                                     |
| <b>Section 14 – Life-Saving Appliances</b>          |                                                                                                                                                                                                                                                                                                                                                                                                               |
| Table 14.1.2 Note A                                 | SGN 093a Marine Equipment Design Construction Performance and Testing Standards<br><br>SGN 093b - Marine Equipment - UK Marine Equipment Database                                                                                                                                                                                                                                                             |
| 14.4.1.3                                            | Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016<br><br>SGN 093a Marine Equipment Design Construction Performance and Testing Standards<br><br>SGN 093b - Marine Equipment - UK Marine Equipment Database                                                                                                                                                                                      |
| 14.4.9                                              | MGN 548 (M+F) Life-Saving Appliances – Inflatable SOLAS Certified Liferafts, Lifejackets, Marine Evacuation Systems, and repair of Inflated Rescue Boats – Servicing Requirements and Approved Service Stations<br><br>MGN 553 (M+F) Life-Saving Appliances – Inflatable Non-SOLAS Liferafts, Lifejackets, Marine Evacuation Systems, Danbuoys and Lifebuoys – Technical Standards and Servicing Requirements |
| 14.7.1                                              | MGN 544 (M+F) Life-Saving Appliances – Means of recovery                                                                                                                                                                                                                                                                                                                                                      |
| 14.11.1                                             | MGN 71 Musters, drills, on-board training and instructions, and support systems                                                                                                                                                                                                                                                                                                                               |
| 14.11.2                                             | MGN 544 (M+F) Life-Saving Appliances – Means of recovery                                                                                                                                                                                                                                                                                                                                                      |
| 14.12.2.1                                           | Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016<br><br>SGN 093a Marine Equipment Design Construction Performance and Testing Standards                                                                                                                                                                                                                                                        |

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|           | SGN 093b - Marine Equipment - UK Marine Equipment Database                                                                                                                                                               |
| 14.12.2.2 | Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016<br><br>SGN 093a Marine Equipment Design Construction Performance and Testing Standards<br><br>SGN 093b - Marine Equipment - UK Marine Equipment Database |

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| <b>Section 15 – Fire Safety</b> |                                                                                                                                                                                                                                                                                                                                      |
| 15.1.3.1.1                      | Resolution MSC.307(88) (adopted on 3 December 2010)<br>International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code) – Part 1 – Non-combustibility Test                                                                                                                                                           |
| Table 15.1.3.2.1                | Resolution MSC.307(88) (adopted on 3 December 2010)<br>International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code) – Part 8 – Test for upholstered furniture                                                                                                                                                    |
| 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)<br>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                                                                                                                                                                                                                                                    |
| 15.5.1                          | BS 5852-1: 1979 Fire tests for furniture – Methods of test for the ignitability by smokers' materials of upholstered composites for seating<br><br>Resolution MSC.307(88) (adopted on 3 December 2010)<br>International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code) – Part 8 – Test for upholstered furniture |

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| 15.6.3.1                            | <p>BS EN 50291-1: 2018 Gas detectors. Electrical apparatus for the detection of carbon monoxide in domestic premises – Test methods and performance requirements</p> <p>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</p> |
| <b>Section 16 – Fire Appliances</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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| 16.3.1.8   | SGN 115(a) - Periodic Inspection, Testing and Maintenance of Compressed Gas Cylinders, Fire Extinguishers and Fixed Fire-fighting Systems                                                                                       |
| 16.3.2.4   | <p>Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016</p> <p>SGN 093a Marine Equipment Design Construction Performance and Testing Standards</p> <p>SGN 093b - Marine Equipment - UK Marine Equipment Database</p> |
| 16.4.1.3   | MSN 1666 (M) Amendment 1 The Merchant Shipping (Fire Protection) Regulations 1998: Fixed fire detection alarm and extinguishing systems                                                                                         |
| 16.4.1.4.3 | <p>Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016</p> <p>SGN 093a Marine Equipment Design Construction Performance and Testing Standards</p> <p>SGN 093b - Marine Equipment - UK Marine Equipment Database</p> |
| 16.5.1     | BS EN 1869: 2019 Fire Blankets                                                                                                                                                                                                  |

## Section 17 – Radiocommunications Equipment

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| 17.1.2                                                    | <p>R&amp;TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of conformity to include:</p> <ul style="list-style-type: none"> <li>• Satellite Earth Station –</li> </ul> <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"> <li>• EGC Receiver - IEC 61097-4; IEC 60945 or EN 60945.</li> </ul> <p>MED Annex referenced by MED (Wheelmark) compliance certificate:</p> <ul style="list-style-type: none"> <li>• Satellite Earth Station- A.1/5.13</li> <li>• EGC Receiver - A.1/5.4.</li> </ul> |
| <p>Table 17.2.1</p> <p>MF radio installation with DSC</p> | <p>R&amp;TTE, Radio Equipment Directive (RED) or Radio Equipment Regulations (RER) Declaration of conformity to include:</p> <ul style="list-style-type: none"> <li>• Transceiver unit - EN 300 373-3 + EN 338-4 (class E) or EN 303 402;</li> <li>• Watchkeeping receiver- EN 301 033.</li> </ul>                                                                                                                                                                                                                                                                                                         |
|                                                           | <p>MED Annex referenced by MED (Wheelmark) compliance certificate:</p> <ul style="list-style-type: none"> <li>• Transceiver unit - A.1/5.10 for MF or A.1/5.14 for MF/H</li> <li>• Watchkeeping receiver - A.1/5.11 for MF or A.1/5.15 for MF/HF.</li> </ul>                                                                                                                                                                                                                                                                                                                                               |
| <p>Table 17.2.1</p> <p>NAVTEX receiver</p>                | <p>R&amp;TTE Declaration of conformity to include - EN 300 065 or IEC 61097-6</p> <p>MED Annex referenced by MED (Wheelmark) compliance certificate - A.1/5.3</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| Table 17.2.1 Note D | SIN 080(b) - Iridium GMDSS Recognised Mobile Satellite Service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 17.4.1              | <p>SGN 110 - Use of VHF Radio and AIS</p> <p>R&amp;TTE Declaration of conformity to include:</p> <ul style="list-style-type: none"> <li>• VHF Portable Radio Receiver - EN 302 885-3;</li> <li>• VHF DSC Transceiver - EN 301 025-3;</li> <li>• VHF DSC Watchkeeping receiver - EN 301 033.</li> </ul> <p>MED Annex referenced by MED (Wheelmark) compliance certificate:</p> <ul style="list-style-type: none"> <li>• VHF DSC Transceiver - A.1/5.1;</li> <li>• VHF DSC Watchkeeping receiver - A.1/5.2.</li> </ul> <p><b>Survival craft two-way VHF radiotelephone</b></p> <p>R&amp;TTE Declaration of conformity to include: EN 300 225</p> <p>MED Annex referenced by MED (Wheelmark) compliance certificate: A.1/5.17.</p> |

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| 17.5.4 | <p>Communications Act 2006</p> <p><a href="https://www.gra.gi/communications/licence/maritime">https://www.gra.gi/communications/licence/maritime</a></p> <p>R&amp;TTE Declaration of conformity to include: IEC 61097-4;</p> <p>IEC 60945 or EN 60945</p> <p>MED Annex referenced by MED (Wheelmark) compliance certificate: A.1/5.6</p>                               |
| 17.6.1 | <p>Communications Act 2006</p> <p><a href="https://www.gra.gi/communications/licence/maritime">https://www.gra.gi/communications/licence/maritime</a></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.493-15</p> |

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| 17.6.2                         | Class M VHF DSC MOB with AIS and light<br>(PLB) <a href="https://www.gra.gi/communications/licence/maritime">https://www.gra.gi/communications/licence/maritime</a>                                                                                                                                             |
| 17.8.1.2                       | MGN 375 (M+F) Amendment 1 Navigation: maritime safety information (MSI)                                                                                                                                                                                                                                         |
| <b>Section 19 – Navigation</b> |                                                                                                                                                                                                                                                                                                                 |
| 19.3.1                         | MGN 293 (M+F) Alternative arrangements for meeting paper chart requirements on MCA code vessels under 24 metres in length and fishing vessels under 24 metres in length.                                                                                                                                        |
| 19.3.4                         | SGN 116 - Acceptance of electronic chart plotting systems (Mini-ECDIS) for small vessels in commercial use (code vessels) up to 24 meters load line length                                                                                                                                                      |
| 19.6.1                         | Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016<br><br>SGN 093a Marine Equipment Design Construction Performance and Testing Standards<br><br>SGN 093b - Marine Equipment - UK Marine Equipment Database<br><br>MGN 349 (M+F) Amendment 1 Carriage and use of radar reflectors on small vessels |
| 19.7.1.3                       | Gibraltar Merchant Shipping (Marine Equipment) Regulations 2016<br><br>SGN 093a Marine Equipment Design Construction Performance and Testing Standards<br><br>SGN 093b - Marine Equipment - UK Marine Equipment Database<br><br>MGN 349 (M+F) Amendment 1 Carriage and use of radar reflectors on small vessels |
| 19.7.1.4                       | MGN 465 (M+F) Navigation: automatic identification systems (AIS) annual testing<br><br>COMSAR/Circ.32 Harmonization of GMDSS requirements for radio installations on board SOLAS ships                                                                                                                          |

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| <b>Section 20 – Anchors and Cables</b>                        |                                                                                                              |
| Tables 20.1 & 20.2                                            | BS 7160: 1990 Specification for anchor chains for small craft                                                |
| <b>Section 21 – Accommodation and Recreational Facilities</b> |                                                                                                              |
| 21.1.4                                                        | MLN 014 (a) Food & Catering MLC 3.2                                                                          |
| 21A.1.3                                                       | MLN 018 Health and Safety – Vibration MLC 4.3(B)<br>MLN 019 HS Policies- Noise MLC 4 3(C)                    |
| 21B                                                           | MLN 007(b) Seafarers Employment Agreements MLC 2.1                                                           |
| 21B.3.1                                                       | MGN 602 (M) MLC Substantial equivalence for crew accommodation for new vessels of 200 GT to less than 500 GT |

**Section 22 – Protection of Personnel**

22.1

Gibraltar Merchant Shipping (Maritime Labour Convention) Regulations 2012.

MLN 017(a) Health & Safety Policies - MLC 4.3

22.2.2.6.2

ISO 15085: 2003 Small Craft – Man overboard prevention and recovery

| <b>Section 23 – Medical Care</b>               |                                                                                                                        |
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| 23.1.1                                         | Gibraltar Merchant Shipping (Medical Stores) Regulations 2000<br>MLN 015 Medical care on board ship and ashore MLC 4.1 |
| 23.2.1                                         | MLN 015 Medical care on board ship and ashore MLC 4.1                                                                  |
| 23.3.1.2                                       | MLN 015 Medical care on board ship and ashore MLC 4.1                                                                  |
| <b>Section 24 – Tenders and Daughter Craft</b> |                                                                                                                        |

| 24.2.1.1.6                                                                         | SIN 017(a)<br><br>Code of safe working practices for merchant seafarers (COSWP)<br><br>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999 |
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| 24.2.3.1.7                                                                         | SIN 017(a)<br><br>Code of safe working practices for merchant seafarers (COSWP)<br><br>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999 |
| <b>Section 25 – Cargo Carrying, Lifting, High Speed and Bow Push Up Operations</b> |                                                                                                                                                               |
| 25.2.1.1.                                                                          | SIN 017(a)<br><br>Code of safe working practices for merchant seafarers (COSWP)<br><br>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999 |
| 25.2.1.1.3                                                                         | SIN 017(a)<br><br>Code of safe working practices for merchant seafarers (COSWP)<br><br>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999 |

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| 25.2.1.1.4 | <p>SIN 017(a)</p> <p>Code of safe working practices for merchant seafarers (COSWP)</p> <p>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999</p> |
| 25.2.3.3.  | <p>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999</p> <p>Code of safe working practices for merchant seafarers (COSWP)</p>                   |
| 25.2.3.4   | <p>Factories (Lifting Operations and Lifting Equipment) Regulations, 1999</p> <p>Code of safe working practices for merchant seafarers (COSWP)</p>                   |

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|        | Code for Lifting Appliances in the Marine Environment, Lloyd's Register                                                                                                                                              |
| 25.3.6 | MGN 424 (M) Amendment 1 Safety responsibilities on board dive boats                                                                                                                                                  |
| 25.4.1 | <p>MLN 018 Health and Safety – Vibration MLC 4.3(B)</p> <p>MLN 019 HS Policies- Noise MLC 4 3(C)</p> <p>The Code of Practice for Controlling Risks due to Whole body Vibration on Ships (ISBN No. 9780115530760)</p> |

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| 25.4.4                                                                                | Passenger Safety on Small Commercial High Speed Craft & Experience Rides. A Voluntary Code of Practice for owners, operators, managers, skippers and crew. Issues 3. April 2019                                                                                                                                                                                                                                                                                                                         |
| <b>Section 26 – Towing and Non-Self-Propelled Vessels</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 26.3.1.6                                                                              | <p>MGN 592 (M+F) Amendment 1 Anchoring, mooring, towing or hauling equipment on all vessels: safe installation and safe operation</p> <p>Resolution A.765(18) Guidelines on the safety of towed ships and other floating objects including installations, structures and platforms at sea</p> <p>MSC.1.Circ.1175/Rev.1 Revised Guidance on Shipboard Towing and Mooring Equipment</p> <p>The Use of Workboats for Towage – Good Practice Guide, 12/6/16 including the Vessel Stability Annex, 08/18</p> |
| <b>Section 27 – Dedicated Pilot Boats and Workboats with a Pilot Boat Endorsement</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Table 27.2.3                                                                          | MGN 50 (M) Manning of pilot boats                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Section 28 – Manning</b>                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 28.1.5                                                                                | Maritime Labour Notice (MLN) – 004                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 28.2.5.2                                                                              | (PLB) <a href="https://www.gra.gi/communications/licence/maritime">https://www.gra.gi/communications/licence/maritime</a>                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Section 29 – Carriage and Transfer of Dangerous Goods</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 29.1.2                                                                                | <p>Gibraltar Merchant Shipping (Survey, Certification and Safety) Regulations 2004</p> <p>International Maritime Dangerous Goods (IMDG) Code.</p> <p>Maritime Labour Notice (MLN) – 020</p>                                                                                                                                                                                                                                                                                                             |

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| 29.1.5                                      | Gibraltar Merchant Shipping (Survey, Certification and Safety) Regulations 2004                                                                                                                                                                                                                        |
| 29.7.3                                      | MGN 407 Procedure for the testing of fire protection for use with composite and wooden constructions                                                                                                                                                                                                   |
| 29.7.4                                      | Resolution MSC.307(88) (adopted on 3 December 2010)<br>International Code for Application of Fire Test Procedures, 2010 (2010 FTP Code). Part 11 Test for fire-resisting divisions of high-speed craft                                                                                                 |
| 29.9.1                                      | MSN 1905 (M+F) Amendment 3 application of ships' medical stores regulations 1995                                                                                                                                                                                                                       |
| 29.10.1.8.2                                 | BS EN 13765: 2018 Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals. Specification<br><br>BS EN 857: 2015 Rubber hoses and hose assemblies – Wire braid reinforced compact type for hydraulic applications – Specification |
| <b>Section 30 – Prevention of Pollution</b> |                                                                                                                                                                                                                                                                                                        |
| 30.1.1                                      | Vessels operating in Gibraltar:<br><br>Environment Act 2005<br><br>Environment (waste) Regulations 2007<br><br>Pollution Prevention and Control Regulations 2013                                                                                                                                       |
|                                             | Gibraltar Merchant Shipping (Port Waste Reception Facilities) Regulations, 2002                                                                                                                                                                                                                        |
| 30.2.1                                      | Gibraltar Merchant Shipping (Prevention of Pollution from Ships) Regulations 2009                                                                                                                                                                                                                      |

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| 30.3.1                                                                         | Gibraltar Merchant Shipping (Prevention of Pollution from Ships) Regulations 2009                                                                                                                                                                                                                          |
| 30.4.1                                                                         | Gibraltar Merchant Shipping (Anti-Fouling Systems) Regulations 2012                                                                                                                                                                                                                                        |
| 30.5.1                                                                         | Gibraltar Merchant Shipping (Prevention of Pollution from Ships) Regulations 2009                                                                                                                                                                                                                          |
| <b>Section 31 – Safety Management</b>                                          |                                                                                                                                                                                                                                                                                                            |
| 31.3.2                                                                         | <p>Resolution MSC.428(98) (adopted on 16 June 2017) Maritime Cyber Risk Management in Safety Management Systems</p> <p>SGN 084(a) - Cyber Security for Ships</p> <p>SGN 084(b) - Cyber resilience of on-board systems and equipment</p> <p>SGN 121 - UK DfT - Cyber Security Code of Practice for Ship</p> |
| <b>Appendix 2A – Liquid Petroleum Gas Installation for Domestic Marine Use</b> |                                                                                                                                                                                                                                                                                                            |
| 1.1                                                                            | ISO 10239: 2014 Small craft – Liquefied petroleum gas (LPG) systems                                                                                                                                                                                                                                        |
| 2.5                                                                            | BS EN IEC 60079-14: 2019 Explosive atmospheres                                                                                                                                                                                                                                                             |
| <b>Appendix 5 – Safe Manning</b>                                               |                                                                                                                                                                                                                                                                                                            |
| 1.1                                                                            | <p>Gibraltar Merchant Shipping (Manning, Training and Certification for Seafarers) Regulations 2006</p> <p>Gibraltar Merchant Shipping (Seafarers' Hours of Work and Medical Examination) Regulations, 2003</p>                                                                                            |

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|                                                         | <p>Gibraltar Merchant Shipping (Maritime Labour Convention) Regulations 2013</p> <p>MLN 009(a) Hours of work &amp; rest - MLC 2.3</p>                                |
| Table A5.1 Note 1                                       | Acceptance of alternative certification to be sought from the Administration                                                                                         |
| Table A5.1 Note B                                       | Not applicable to Gibraltar registered vessels                                                                                                                       |
| Table A5.1 Note E                                       | MSN 1858 (M+F) Amendment 1 UK requirements for deck officers on large yachts (over 24m)                                                                              |
| Table A5.1 Note G                                       | MGN 496 (M+F) Certificate of competency for master workboat less than 500 GT unlimited                                                                               |
| Table A5.3 Note B                                       | SGN 061 Revised ECDIS Training Requirements                                                                                                                          |
| <b>Appendix 8 – Safety Management System</b>            |                                                                                                                                                                      |
| 3.1                                                     | Code of safe working practices for merchant seafarers (COSWP) amendment 7 Chapter 1                                                                                  |
| 11.2                                                    | <p>Gibraltar Merchant Shipping (Accident Reporting and Investigation) Regulations 2012</p> <p>SGN 053 Accident and Incident Reporting Form</p>                       |
| <b>Annex 1 Alternative Fuels and propulsion Systems</b> |                                                                                                                                                                      |
| 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                                                   | <p>BS EN ISO 16315:2016 Small craft. Electric propulsion system</p> <p>SGN 129- Electrical installations - guidance for lithium-ion batteries</p>                    |

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| 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 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>SGN 129- Electrical installations - guidance for lithium-ion batteries</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 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>SGN 129- Electrical installations - guidance for lithium-ion batteries</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>                                                                                                                                                                                                               |
| 2.5.4                                             | SGN 129- Electrical installations - guidance for lithium-ion batteries                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2.6.3                                             | BS EN IEC 60079-14: 2019 Explosive atmospheres – Part 14. Electrical installations design, selection and erection                                                                                                                                                                                                                                                                                                                                                              |
| <b>Annex 2 Remotely Operated Unmanned Vessels</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1.1.3                                             | MGN 664 Certification process for vessels using innovative technology                                                                                                                                                                                                                                                                                                                                                                                                          |
| 3.4.1                                             | Resolution A.1021(26) Code on Alerts and Indicators, 2009                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5.2.1                                             | The International Regulations for Preventing Collisions at Sea 1972                                                                                                                                                                                                                                                                                                                                                                                                            |

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| 5.5.1.2 | MSC.1/Circ.1580 Guidelines for Vessels and Units with Dynamic Positioning (DP) Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 6.1.1   | The Merchant Shipping and Fishing Vessels (Health and Safety at Work) Regulations 1997                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 6.4.2   | MSN 1905 (M+F) Amendment 3 application of ships' medical stores regulations 1995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7.5.1.5 | The Radio Equipment Directive (RED) (EU CE marking directives)<br><br>MGN 331 (M+F) Amendment 1 provision and use of work 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> |