ISAF Offshore Special Regulations

January 2010 - December 2010

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Notes

RED TYPE indicates a significant changes in 2010

BLUE TYPE indicates RORC Prescriptions

GREEN ITALIC TYPE indicates guidance notes and recommendations

Official interpretations shall take precedence over these Special Regulations and will be indexed, numbered, dated and displayed on the ISAF web site www.sailing.org/specialregs

Key to Indices: Mo - Monohull, Mu - Multihull, " ** " means the item applies to all types of yacht in all Categories except 5 or 6 for which see Appendix J or L.

The use of the masculine gender shall be taken to mean either gender

SECTION 1 - FUNDAMENTAL AND DEFINITIONS

| 2FC11 | ON I - FUNDAMI | :NIAL AND DEFINITIONS | |
|--------|---|--|----|
| 1.01 | Purpose and Use | | |
| 1.01.1 | | se Special Regulations to establish uniform minimum equipment, accommodation and training and multihull yachts racing offshore. A Proa is excluded from these regulations. | ** |
| 1.01.2 | These Special Regulatio Rules and the rules of C | ns do not replace, but rather supplement, the requirements of governmental authority, the Racing Class Associations and Rating Systems. The attention of persons in charge is called to restrictions tion and movement of equipment. | ** |
| 1.01.3 | These Special Regulatio | ns, adopted internationally, are strongly recommended for use by all organizers of offshore races. select the category deemed most suitable for the type of race to be sailed. | ** |
| 1.02 | Responsibility of Perso | on in Charge | |
| 1.02.1 | to ensure that the yach appropriate training and | nd her crew is the sole and inescapable responsibility of the Person in Charge who must do his best to is fully found, thoroughly seaworthy and manned by an experienced crew who have undergone do are physically fit to face bad weather. He must be satisfied as to the soundness of hull, spars, the must ensure that all safety equipment is properly maintained and stowed and that the crew and how it is to be used. | ** |
| 1.02.2 | | ent of these Special Regulations, their use by race organizers, nor the inspection of a yacht under ns in any way limits or reduces the complete and unlimited responsibility of the person in charge. | ** |
| 1.02.3 | Decision to race -The r | esponsibility for a yacht's decision to participate in a race or to continue racing is hers alone | ** |
| | - RRS Fundamental Ru | | |
| 1.03 | Definitions, Abbreviat | ions, Word Usage | |
| 1.03.1 | Definitions of Terms use | ed in this document | ** |
| | TABLE 1 | | |
| | Age Date | Month/year of first launch | |
| | AIS | Automatic Identification Systems | |
| | CEN | Comité Européen de Normalisation | |
| | CPR | Cardio-Pulmonary Resuscitation | |
| | Coaming | includes the transverse after limit of the cockpit over which water would run in the event that when the yacht is floating level the cockpit is flooded or filled to overflowing. | |
| | DSC | Digital Selective Calling | |
| | EN | European Norm | |
| | EPFS | Electronic Position-Fixing System | |
| | EPIRB | Emergency Position-Indicating Radio Beacon | |
| | FA Station | The transverse station at which the upper corner of the transom meets the sheerline. | |
| | Foul-Weather Suit | A foul weather suit is clothing designed to keep the wearer dry and maybe either a jacket and trousers worn together, or a single garment comprising jacket and trousers. | |
| | GMDSS | Global Maritime Distress & Safety System | |
| | GNSS | Global Navigation Satellite System | |
| | GPIRB | EPIRB, with integral GPS position-fixing | |
| | ITU | International Telecommunications Union | |
| | GPS | Global Positioning System | |
| | Hatch | The term hatch includes the entire hatch assembly and also the lid or cover as part of that assembly (the part itself may be described as a hatch). | |
| | INMARSAT | This is Inmarsat Global Limited, the private company that provides GMDSS satellite distress and safety communications, plus general communications via voice, fax and data | |
| | IMO | International Maritime Organisation | |
| | IMSO | The International Mobile Satellite Organisation, the independent, intergovernmental | |
| | | | |

ORC

organisation that oversees Inmarsat's performance of its Public Service Obligations for the

GMDSS and reports on these to IMO

ISAF International Sailing Federation.

International Standard or International Organization for Standardization. ISO

Lifeline wire line rigged as guardrail / guardline around the deck LOA Length overall not including pulpits, bowsprits, boomkins etc.

LWL (Length of) loaded waterline

Monohull Yacht in which the hull depth in any section does not decrease towards the centre-line. Moveable Ballast Lead or other material including water which has no practical function in the boat other than

to increase weight and/or to influence stability and/or trim and which may be moved

transversely but not varied in weight while a boat is racing. Offshore Racing Congress (formerly Offshore Racing Council)

OSR Offshore Special Regulation(s)

Permanently Installed Means the item is effectively built-in by e.g. bolting, welding, glassing etc. and may not be

removed for or during racing.

PLB Personal Locator Beacon Asymmetric Catamaran Proa RRS ISAF - Racing Rules of Sailing Search and Rescue SAR

SART Search and Rescue Transponder

Series Date Month & Year of first launch of the first yacht of the production series

SOLAS Safety of Life at Sea Convention

Safety Line A tether used to connect a safety harness to a strong point

Held strongly in place by a method (e.g. rope lashings, wing-nuts) which will safely retain the Securely Fastened

fastened object in severe conditions including a 180 degree capsize and allows for the item to

be removed and replaced during racing

Lead or other material including water which has no practical function in the boat other than Static Ballast

to increase weight and/or to influence stability and/or trim and which may not be moved or

MoMu,0

MoMu,1

MoMu.2

MoMu,3

МоМи4

varied in weight while a boat is racing.

A safety line (usually shorter than a safety line carried with a harness) kept clipped on at a Static Safety Line

Variable Ballast Water carried for the sole purpose of influencing stability and/or trim and which may be

varied in weight and/or moved while a boat is racing.

The words "shall" and "must" are mandatory, and "should" and "may" are permissive 1.03.2

1.03.3 The word "yacht" shall be taken as fully interchangeable with the word "boat".

SECTION 2 - APPLICATION & GENERAL REQUIREMENTS

2.01 **Categories of Events**

In many types of race, ranging from trans-oceanic sailed under adverse conditions to short-course day races sailed in protected waters, six categories are established, to provide for differences in the minimum standards of safety and accommodation required for such varying circumstances:

2.01.1 Category 0

Trans-oceanic races, including races which pass through areas in which air or sea temperatures are likely to be less than 5 degrees Celsius other than temporarily, where yachts must be completely self-sufficient for very extended periods of time, capable of withstanding heavy storms and prepared to meet serious emergencies without the expectation of outside

2.01.2 Category 1

Races of long distance and well offshore, where yachts must be completely self-sufficient for extended periods of time, capable of withstanding heavy storms and prepared to meet serious emergencies without the expectation of outside

2.01.3 Category 2

Races of extended duration along or not far removed from shorelines or in large unprotected bays or lakes, where a high degree of self-sufficiency is required of the yachts.

2.01.4 Category 3

Races across open water, most of which is relatively protected or close to shorelines.

2.01.5 Category 4

Short races, close to shore in relatively warm or protected waters normally held in daylight.

2.01.6 Category 5 - for inshore racing

Please refer to Appendix J where Special Regulations for Category 5 are given in full. The symbol " $\star\star$ " does not include Category 5.

2.01.7 Category 6 - for inshore racing

Please refer to Appendix L where Special Regulations for Category 6 are given in full. The symbol " ** " does not include Category 6

2.02 Inspection

A yacht may be inspected at any time. If she does not comply with these Special Regulations her entry may be rejected, or she will be liable to disqualification or such other penalty as may be prescribed by the national authority or the race organizers.

2.03 **General Requirements**

All equipment required by Special Regulations shall:-2.03.1

a) function properly

| | b) be regularly checked, cleaned and serviced | ** |
|--------|--|---------------------------------|
| | c) when not in use be stowed in conditions in which deterioration is minimised | ** |
| | d) be readily accessiblee) be of a type, size and capacity suitable and adequate for the intended use and size of the yacht. | ** |
| 2.03.2 | Heavy items: | |
| | a) ballast, ballast tanks and associated equipment shall be permanently installed | ** |
| | b) heavy movable items including e.g. batteries, stoves, gas bottles, tanks, toolboxes and anchors and chain shall be | ** |
| | securely fastened c) heavy items for which fixing is not specified in Special Regulations shall be permanently installed or securely fastened, | ** |
| | as appropriate | |
| 2.03.3 | When to show navigation lights | |
| | a) navigation lights (OSR 3.27) shall be shown as required by the International Regulations for Preventing Collision at Sea, | ** |
| | (Part C and Technical Annex 1). All yachts shall exhibit sidelights and a sternlight at the required times. | |
| SECTIO | ON 3 - STRUCTURAL FEATURES, STABILITY, FIXED EQUIPMENT | |
| 3.01 | Strength of Build, Ballast and Rig | |
| 5.01 | Yachts shall be strongly built, watertight and, particularly with regard to hulls, decks and cabin trunks capable of | ** |
| | withstanding solid water and knockdowns. They must be properly rigged and ballasted, be fully seaworthy and must meet | |
| 3.02 | the standards set forth herein. Shrouds shall never be disconnected. | |
| 3.02.1 | Watertight Integrity of a Hull A hull, including, deck, coach roof, windows, hatches and all other parts, shall form an integral, essentially watertight unit | ** |
| | and any openings in it shall be capable of being immediately secured to maintain this integrity. | |
| 3.02.2 | Centreboard and daggerboard trunks and the like shall not open into the interior of a hull except via a watertight | ** |
| | inspection/maintenance hatch of which the opening shall be entirely above the waterline of the yacht floating level in normal trim. | |
| 3.02.3 | A canting keel pivot shall be completely contained within a watertight enclosure which shall comply with OSR 3.02.2. | ** |
| | Access points in the watertight enclosure for control and actuation systems or any other purpose shall comply with OSR | |
| | 3.021. | |
| 3.02.4 | Moveable ballast systems shall be fitted with a manual control and actuation secondary system which shall be capable of controlling the full sailing load of the keel in the event of failure of the primary system. Such failures would include | ** |
| | electrical and hydraulic failure and mechanical failure of the components and the structure to which it mounts. The | |
| | system must be capable of being operational quickly and shall be operable at any angle of heel. It would be desirable if | |
| | this system was capable of securing the keel on the centreline. | |
| 3.03 | Hull Construction Standards (Scantlings) | |
| | TARLE 2 | |
| | TABLE 2 LOA earliest of age or series date race category | |
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| 3.03.2 | LOA earliest of age or series date race category All January 1986 and after MoMu0.1 IZm (39.4 feet) and over January 1986 and after MoMu2 under 12m (39.4 feet) January 1988 and after MoMu2 a) A yacht of less than 24m in hull length (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010 shall have Been designed and built in accordance with requirements of ISO 12215 Category A* On board a certificate of building plan review from a notified body recognised by ISAF. On board a declaration signed and dated by the builder to confirm the yacht is built in accordance with the plans reviewed by the Notified Body b) A yacht of 24m in hull length and over (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010 shall have Been designed and built in accordance with requirements as from time to time specified by ISAF. On board a certificate of building plan review from an organisation recognised by ISAF. On board a declaration signed and dated by the builder to confirm the yacht in accordance with the requirements. A) Ayacht less than 24m in hull length (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification to the hull, deck, coachroof, keel or appendages on or after the 1 January 2010, shall have The repair or modification designed and built in accordance with ISO 12215 Category A* On board a certificate of building plan review for the repair or modification from a notified body recognised by ISAF On board a declaration signed and dated by the builder to confirm that the repair or modification is in accordance with the requirements of ISO 12215 Category A* The repair or modification designed and built in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification from a notified body recognised by ISAF On board a certificate of building plan review for the repair or modificatio | MoMu0,1,2 |
| 3.03.2 | LOA earliest of age or series date race category All January 1986 and after MoMu0.1 IZm (39.4 feet) and over January 1986 and after MoMu2 under 12m (39.4 feet) and over January 1988 and after MoMu2 a) A yacht of less than 24m in hull length (measured in accordance with ISO 8666) with Age or Series Date on or after January 2010 shall have • Been designed and built in accordance with requirements of ISO 12215 Category A* • On board a certificate of building plan review from a notified body recognised by ISAF. • On board a declaration signed and dated by the builder to confirm the yacht is built in accordance with the plans reviewed by the Notified Body b) A yacht of 24m in hull length and over (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010 shall have • Been designed and built in accordance with requirements as from time to time specified by ISAF. • On board a certificate of building plan review from an organisation recognised by ISAF. • On board a declaration signed and dated by the builder to confirm the yacht in accordance with the requirements. a) A yacht less than 24m in hull length (measured in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification to the hull, deck, coachroof, keel or appendages on or after the 1 January 2010, shall have • The repair or modification designed and built in accordance with ISO 12215 Category A* • On board a declaration signed and dated by the builder to confirm that the repair or modification is in accordance with the requirements of ISO 12215 Category A* • On board a declaration designed and built in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification from a notified body recognised by ISAF • On board a declaration signed and dated by the builder to confirm that the repair or modification is in accordance with the requirements of ISO 12215 Category A* b) A yacht | MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| 3.03.2 | LOA earliest of age or series date race category All January 1986 and after MoMuQ1 12m (39.4 feet) and over January 1987 and after MoMu2 a) A yacht of less than 24m in hull length (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010 shall have Been designed and built in accordance with requirements of ISO 12215 Category A* On board a certificate of building plan review from a notified body recognised by ISAF. On board a declaration signed and dated by the builder to confirm the yacht is built in accordance with the plans reviewed by the Notified Body b) A yacht of 24m in hull length and over (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010 shall have Been designed and built in accordance with requirements as from time to time specified by ISAF. On board a certificate of building plan review from an organisation recognised by ISAF. On board a declaration signed and dated by the builder to confirm the yacht in accordance with the requirements. a) A yacht less than 24m in hull length (measured in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification to the hull, deck, coachroof, keel or appendages on or after the 1 January 2010, shall have The repair or modification designed and built in accordance with ISO 12215 Category A* On board a certificate of building plan review for the repair or modification from a notified body recognised by ISAF On board a declaration signed and dated by the builder to confirm that the repair or modification is in accordance with the requirements of ISO 12215 Category A* Nonboard a certificate of building plan review for the repair or modification from a notification is in accordance with the requirements of ISO 12215 Category A* Ayacht of 24m in hull length or more (measured in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification to th | MoMu0,1,2 MoMu0,1,2 |
| 3.03.2 | LOA earliest of age or series date race category All January 1986 and after MoMu0.1 IZm (39.4 feet) and over January 1986 and after MoMu2 under 12m (39.4 feet) and over January 1988 and after MoMu2 a) A yacht of less than 24m in hull length (measured in accordance with ISO 8666) with Age or Series Date on or after January 2010 shall have • Been designed and built in accordance with requirements of ISO 12215 Category A* • On board a certificate of building plan review from a notified body recognised by ISAF. • On board a declaration signed and dated by the builder to confirm the yacht is built in accordance with the plans reviewed by the Notified Body b) A yacht of 24m in hull length and over (measured in accordance with ISO 8666) with Age or Series Date on or after 1 January 2010 shall have • Been designed and built in accordance with requirements as from time to time specified by ISAF. • On board a certificate of building plan review from an organisation recognised by ISAF. • On board a declaration signed and dated by the builder to confirm the yacht in accordance with the requirements. a) A yacht less than 24m in hull length (measured in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification to the hull, deck, coachroof, keel or appendages on or after the 1 January 2010, shall have • The repair or modification designed and built in accordance with ISO 12215 Category A* • On board a declaration signed and dated by the builder to confirm that the repair or modification is in accordance with the requirements of ISO 12215 Category A* • On board a declaration designed and built in accordance with ISO 8666), with Age or Series Date on or after 1 January 2010, if subject to any significant repair or modification from a notified body recognised by ISAF • On board a declaration signed and dated by the builder to confirm that the repair or modification is in accordance with the requirements of ISO 12215 Category A* b) A yacht | MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |

| | .hlla | | | | | |
|--|--|--|---|---|--|--|
| position. Self-righ | | | | | self-righting from an inverted | Mo0 |
| a) When there is | a moveable or varia | able ballast system, | written instru | ictions on how to righ | nt the boat after a capsize shall dge of the righting procedures | Mo0 |
| A yacht shall be of A race organizer: | designed and built to should require comp | o resist capsize. Ioliance with a minin | | - | index. Attention is drawn to | Mo0,1,2,3,4 Mo0,1,2,3,4 |
| | x in the ORC Rules a se used as a guide to | | for competition | on in Special Regulati | ons race categories as follows: | Mo0,1,2,3,4 |
| ISO Category | A | В | С | | | |
| OSR Category | 1-2 | 3 | 4 | | | |
| For boats with m | oveable or variable b | | | | from capsize or sinking. elevant additional requirement | Mo0,1,2,3,4 Mo0,1,2,3,4 |
| | ballast shall be peri | | | | n of isolating valves and pump(s lisplayed aboard the boat. | Mo0,1,2,3,4 |
| Attention is draw | | | | | | Mu0,1,2,3,4 |
| hull shall be prov | | a multihull is effect | ively unsinkab | | ed flotation material) in each ating in a stable position with | Mu0,1,2,3,4 |
| | n or after January 19 e or more transverse | | | commodation be divid | ded at intervals of not more tha | Mu0,1,2,3,4 |
| A yacht shall be of Exits - Monohull | designed and built to s | resist capsize. | | | | Mu0,1,2,3,4 |
| TABLE 4 | F 1: | | D | 1 | | Mo0,1,2,3,4 |
| LOA 8.5 m (28 ft) and (| | st of Age or Series ry 1995 and after | Ya sh | nall be located forwar | st two exits. At least one exit d of the foremost mast except es prevent its installation. | |
| Exits and Escape Exits | Hatches - Multihu | lls | | | | |
| b) In a multihull | of less than 8m (26.2 | 2ft) LOA each hull v | which contains | | shall have at least two exits. all have at least two exits. | Mu0,1,2,3,4 Mu0,1,2,3 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or | of less than 8m (26.2 Underside Clipping F of 12m (39.4ft) LOA a ape hatch for access aunched on or after | Oft) LOA each hull voints & Handholds and greater each hus to and from the holds January 2003 have | which contains all which contains aull in the ever a minimum cl | s accommodation sha ains accommodation nt of an inversion; learance diameter thr | all have at least two exits. | |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I | of less than 8m (26.2 Underside Clipping F of 12m (39.4ft) LOA a ape hatch for access aunched on or after when an escape hatc aunched prior to Jar | 2ft) LOA each hull voints & Handholds and greater each hus to and from the holds have the is not circular, su | which contains all which conta aull in the ever a minimum cl afficient cleara | s accommodation sha ains accommodation nt of an inversion; learance diameter thr ance to allow a crew r | all have at least two exits. shall:- ough each escape hatch of | Mu0,1,2,3 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.07.2(iv when the y v when first I | of less than 8m (26.2 Underside Clipping Fof 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after | 2ft) LOA each hull verints & Handholds and greater each hus to and from the half January 2003 have the is not circular, such that | which contains all which contains all in the ever a minimum cl afficient cleara ble have each h above the w each escape h | ains accommodation sha ains accommodation of an inversion; learance diameter thr ance to allow a crew r escape hatch in comp aterline; natch at or near the m | all have at least two exits. shall:- ough each escape hatch of member to pass through fully coliance with the dimensions in hidships station; | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.07.2(iv when the y v when first I vi in a catama axis. b) A trimaran of | of less than 8m (26.2 Underside Clipping Fof 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched on 12m (39.4ft) LOA and 12 | 2ft) LOA each hull violnts & Handholds and greater each hus to and from the high January 2003 have the is not circular, such and greater each escape hatch January 2001 have nor after January 2011 greater first launch | which contains all which contains all in the ever a minimum cl afficient cleara ble have each h above the w each escape h 003 have each | ains accommodation sha ains accommodation of an inversion; learance diameter thr ance to allow a crew r escape hatch in comp aterline; natch at or near the man escape hatch on the | all have at least two exits. shall:- ough each escape hatch of member to pass through fully pliance with the dimensions in | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.07.2(iv when the y v when first I vi in a catama axis. b) A trimaran of in compliance c) Each escape I d) A multihull sh | of less than 8m (26.2 Underside Clipping For 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched or 12m (39.4ft) LOA and with the dimension latch must have beer all have on the underside the state of | 2ft) LOA each hull verints & Handholds and greater each hus to and from the half and greater 2003 have the is not circular, such is each escape hatch January 2001 have in or after January 201 have in or after 201 have in or afte | which contains all which contains all in the ever a minimum cl afficient cleara ble have each h above the w each escape h 003 have each hed on or afte i) m inside and o | ains accommodation sha ains accommodation of an inversion; learance diameter thr ance to allow a crew r escape hatch in comp aterline; natch at or near the man escape hatch on the er January 2003 shall houtside within 6 mont | all have at least two exits. shall:- ough each escape hatch of member to pass through fully pliance with the dimensions in hidships station; eside nearest the vessel's centra | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.07.2(iv when the y v when first I vi in a catama axis. b) A trimaran of in compliance c) Each escape I d) A multihull sh these shall be e) A catamaran f | of less than 8m (26.2 Underside Clipping For 12m (39.4ft) LOA ape hatch for access aunched on or after when an escape hatch when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched on with the dimension atch must have been all have on the under around the central irst launched on or a stranger than the same than the same than the same than the same than the central around the central irst launched on or a stranger than the same than th | 2ft) LOA each hull violnts & Handholds and greater each hus to and from the his January 2003 have the is not circular, such is a greater first launch is in OSR 3.07.2(a) (iin opened both from the circular in opened both from the circular panuary 2003 variety and circular panuary 2003 varie | which contains which contains all which contains all which contains a minimum clufficient clearable have each above the weach escape hoods have each the don or after all with a central with a central | ains accommodation sha ains accommodation of an inversion; learance diameter thrance to allow a crew rescape hatch in compared in a compared i | all have at least two exits. shall:- ough each escape hatch of member to pass through fully pliance with the dimensions in hidships station; eside nearest the vessel's central have at least two escape hatches the prior to an intended race t for all crew (on a trimaran the underside around the | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.07.2(iv when the y v when first I vi in a catama axis. b) A trimaran of in compliance c) Each escape I d) A multihull sh these shall be e) A catamaran f central nacell f) In a catamaran hatch in the s | of less than 8m (26.2 Underside Clipping For 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched on with the dimension watch must have been all have on the under around the central irst launched on or appendix launched on or appendix with a central launched on or appendix lau | 2ft) LOA each hull victoriats & Handholds and greater each hus to and from the half January 2003 have the chair is not circular, such as the each escape hatch January 2001 have the or after January 201 have the or after January 201 have the properties in OSR 3.07.2(a) (iin opened both from the erside appropriate he hull). The effect of the erside appropriate is the each escape to the erside appropriate in opened both from the erside appropriate is the each escape to the each escape to the each escape the | which contains all which contains all which contains all in the ever a minimum cl afficient cleara ble have each h above the w each escape h 003 have each hed on or afte b) m inside and conandholds/clip with a central enable all perso aded that each | ains accommodation sha ains accommodation of an inversion; learance diameter thrance to allow a crew rescape hatch in compaterline; natch at or near the man escape hatch on the er January 2003 shall houtside within 6 mont ping points sufficien nacelle shall have on ons on board to hold a hull has an emergence | all have at least two exits. shall:- ough each escape hatch of member to pass through fully coliance with the dimensions in hidships station; side nearest the vessel's central have at least two escape hatches this prior to an intended race t for all crew (on a trimaran | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I 0SR 3.07.2(iv when the y v when first I vi in a catama axis. b) A trimaran of in compliance c) Each escape I d) A multihull sh these shall be e) A catamaran f central nacell f) In a catamaran hatch in the s and outside A multihull of les | of less than 8m (26.2 Underside Clipping For 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched on with the dimension atch must have been all have on the under around the central irst launched on or ace, handholds of suffin with a central nace and the hull neare as than 12m (39.4ft) LO | 2ft) LOA each hull victoriats & Handholds and greater each hus to and from the high part of the properties of the proper | which contains which contains all which contains all which contains all in the ever a minimum clufficient clearable have each above the weach escape hoods have each the donor after all which a central whale all personded that each aral axis, which | ains accommodation sha ains accommodation of an inversion; learance diameter thrance to allow a crew rescape hatch in compaterline; natch at or near the man escape hatch on the er January 2003 shall houtside within 6 mont ping points sufficient nacelle shall have on ons on board to hold a hull has an emergence hatch may be opene | all have at least two exits. shall:- ough each escape hatch of member to pass through fully pliance with the dimensions in hidships station; eside nearest the vessel's central have at least two escape hatches the prior to an intended race t for all crew (on a trimaran the underside around the on and/or clip on securely by refuge, accessible via a specia | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
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| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.072(iv when the y v when first I vi in a catama axis. b) A trimaran of in compliance c) Each escape I d) A multihull sh these shall be e) A catamaran hatch in the s and outside A multihull of les comply with OSF a) each hull whickept ready for a clip, and b) in each hull at | of less than 8m (26.2 Underside Clipping For 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched on 12m (39.4ft) LOA and with the dimension with the dimension atch must have been all have on the under all irst launched on or it, handholds of suffin with a central nace it is the first launched on or it, and the launched on or it, handholds of suffin with a central nace it is than 12m (39.4ft) LOB (3.07.3 (a) and (b)); the contains accomministant use adjacental a station where an | 2ft) LOA each hull victorials & Handholds and greater each hus is to and from the high January 2003 have chis not circular, sugary 2003, if possible each escape hatch January 2001 have in or after January 201 have in opened both from the properties appropriate him opened both from the properties of | which contains which contains all which contains all which contains all in the ever a minimum clufficient clearable have each habove the weach escape hours and on or after all with a central anable all persuded that each ral axis, which he escape hatch of the purposutting site. Each and be cut, the | ains accommodation shall ains accommodation of an inversion; learance diameter thrance to allow a crew rescape hatch in compare the management of a compare the management of the prince of the shall have on one on board to hold a hull has an emergence that ches in compliance with one of cutting an escape hatch on shall be secured. | all have at least two exits. shall:- ough each escape hatch of member to pass through fully pliance with the dimensions in hidships station; side nearest the vessel's centra have at least two escape hatches the prior to an intended race t for all crew (on a trimaran the underside around the on and/or clip on securely cy refuge, accessible via a specia d and closed from the inside th OSR 3.07.2 (a)(b) and (c)or shall pe hatch, appropriate tools | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |
| b) In a multihull Escape Hatches, I a) In a multihull i have an esc ii when first I 450mm or clothed; iii when first I OSR 3.072(c) iv when the y v when first I vi in a catama axis. b) A trimaran of in compliance c) Each escape I d) A multihull sh these shall be e) A catamaran f central nacell f) In a catamaran hatch in the s and outside A multihull of les comply with OSP a) each hull whick kept ready for a clip, and b) in each hull at outside with a | of less than 8m (26.2 Underside Clipping For 12m (39.4ft) LOA appe hatch for access aunched on or after when an escape hatch aunched prior to Jara)(ii); acht is inverted have aunched on or after ran first launched on 12m (39.4ft) LOA and with the dimension atch must have been all have on the underside aunched on or e, handholds of suffin with a central nace of the hull neares at the standard of the hull neares at the standard of the contains accomminstant use adjacen a station where an an outline and the woot apply. Multihulls | 2ft) LOA each hull victorials & Handholds and greater each hus is to and from the high January 2003 have chis not circular, sugary 2003, if possible each escape hatch January 2001 have in or after January 201 have in or after January 201 have in opened both from erside appropriate him hull). The proposed is in OSR 3.07.2(a) (ii in opened both from erside appropriate him hull). The proposed is the vessel's cention of the proposed in the propos | which contains which contains all which contains all which contains all in the ever a minimum clufficient clearable have each above the weach escape hours and an andholds clip with a central anable all persuded that each aral axis, which we escape hatch for the purpoutting site. Each and be cut, the HERE | ains accommodation shall be accommodation of an inversion; learance diameter thrance to allow a crew rescape hatch in compatch at or near the manach at or near the month of the ping points sufficient on accelle shall have on one on board to hold a hull has an emergence where in compliance with the ping points in compliance with the ping points in compliance with the ping of cutting an escaph tool shall be secured. | all have at least two exits. shall:- ough each escape hatch of member to pass through fully coliance with the dimensions in midships station; e side nearest the vessel's central nave at least two escape hatches the prior to an intended race t for all crew (on a trimaran the underside around the on and/or clip on securely cry refuge, accessible via a special d and closed from the inside th OSR 3.07.2 (a)(b) and (c)or shall pe hatch, appropriate tools ed to the vessel by a line and | Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 Mu0,1,2,3,4 |

| 3.08.2 | the boat, and of area in accordance with tl Attention is drawn t | ord of the maximum beam station, located on the side of the coachroof, opening into the interior of greater than 0.071m ² shall comply with ISO 12216 design category A and be clearly labelled and used the following instruction: "NOT TO BE OPENED AT SEA." Attention is drawn to SR 3.02.1 o SR 3.02.1 "A hull, including deck, coachroof, windows, hatches, and all other parts, shall form an evatertight unit and any opening in it shall be capable of being immediately secured to maintain this | ** |
|--------------------|--|--|---------------|
| 3.08.3 | | tch extending below the local sheerline, shall: | |
| 5.00.5 | | in a yacht with a cockpit opening aft to the sea (OSR 3.09.6) | ** |
| | | ng blocked off up to the level of the local sheerline, provided that the companionway hatch shall | ** |
| | | access to the interior with the blocking devices (e.g. washboards) in place | |
| 3.08.4 | A companionway hat | | |
| J.00. 1 | | trong securing arrangement which shall be operable from the exterior and interior including when the | ** |
| | yacht is inverted | trong securing arrangement while it shall be operable from the exterior and interior including when the | |
| | b) have any blocking | z devices | ** |
| | | ng retained in position with the hatch open or shut | ** |
| | | t in position in the hatchway, secured to the yacht (e.g. by lanyard) for the duration of the race, to | ** |
| | | eing lost overboard | |
| | | he event of inversion | ** |
| 3.08.5 | | xtends below the local sheerline and the boat has a cockpit opening aft to the sea, the boat shall | Mo0,1,2,3,4 |
| 3.00.3 | comply to the follow | | 14100,1,2,3,1 |
| | | ay sill shall not extend below the local sheerline. Or | |
| | | nce with all aspects of ISO 11812 to design category A | |
| 3.08.6 | | kpit closed aft to the sea where the companionway hatch extends below the local sheerline, the | Mo0,1,2,3,4 |
| | | be capable of being blocked up to the level of the local sheerline, provided that the companionway | |
| | | to provide access to the interior with the blocking devices (e.g. washboards) in place. | |
| 3.08.7 | A companionway hat | tch extending below the local sheerline shall comply with either (a) or (b): | Mu0,1,2,3,4 |
| | a) be capable of bei | ng blocked off up to the level of the local sheerline, whilst giving access to the interior with the | |
| | blocking devices (e.g. | washboards) in place with a minimum sill height of 300mm. | Mu0,1,2,3,4 |
| | b) i) A companionw | yay hatch shall be in compliance with ISO 11812 – Watertight cockpits and quick-draining cockpits | Mu0,1,2,3 |
| | to design categ | gory A | |
| | ii) A companionw | ay hatch shall be in compliance with ISO 11812 – Watertight cockpits and quick-draining cockpits | Mu4 |
| | to design categ | | |
| 3.09 | | n is Drawn to ISO 11812 | |
| 3.09.1 | | ucturally strong, self-draining quickly by gravity at all angles of heel and permanently incorporated as | ** |
| | an integral part of th | | |
| 3.09.2 | - | sentially watertight, that is, all openings to the hull must be capable of being strongly and rigidly | ** |
| 2.002 | secured | | ** |
| 3.09.3 | | pipe shall not be connected to a cockpit drain. See OSR 3.09.8 for cockpit drain minimum sizes | ** |
| 3.09.4 | • | be at least 2% LWL above LWL (or in IMS yachts first launched before January 2003, at least 2% L | ~~ |
| 3.09.5 | above LWL) | al or stern well shall be considered a cockpit for the purposes of OSR 3.09 | ** |
| 3.09.5 | | aft to the sea structural openings aft shall be not less in area than 50% maximum cockpit depth x | ** |
| 3.07.0 | maximum cockpit wi | | |
| 3.09.7 | Cockpit Volume | uui. | |
| 5.07.7 | TABLE 5 | | |
| | earliest of age | detail race category | |
| | or series date | | |
| | before April 1992 | the total volume of all cockpits below lowest coamings shall not | |
| | • | exceed 6% (LWL x maximum beam x freeboard abreast the cockpit). MoMu0,1 | |
| | before April 1992 | the total volume of all cockpits below lowest coamings shall not | |
| | • | exceed 9% (LWL x maximum beam x freeboard abreast the cockpit). MoMu2,3,4 | |
| | April 1992 and after | as above for the appropriate category except that "lowest coamings" | |
| | | shall not include any aft of the FA station and no extension of a cockpit | |
| | | aft of the working deck shall be included in calculation of cockpit volume ** | |
| | Note | IMS measured boats may instead of the terms LWL, maximum beam, | |
| | | freeboard abreast the cockpit, use the IMS terms L, B and FA. | |
| 2.000 | Carlonius : | | |
| 3.09.8 | Cockpit Drains | pit drain gross section area (after allowers of far agrees if fixed) - 1-11 to | |
| | | pit drain cross section area (after allowance for screens if fitted) shall be:- | ** |
| | | rliest of age or series date before January 1972 or in any yacht under 8.5m (28ft) LOA - at least that of | |
| | | er (one inch) unobstructed openings or equivalent ·liest of age or series date January 1972 and later - at least that of 4 x 20mm diameter (3/4 inch) | ** |
| | | enings or equivalent | |
| 3.10 | Sea Cocks or Valves | | |
| 3.10 | | hall be permanently installed on all through-hull openings below the waterline except integral deck | ** |
| | | cators, depth finders and the like, however a means of closing such openings shall be provided. | |
| 3.11 | Sheet Winches | caters, separatingers and the tike, notherer a means of closing such openings shall be provided. | |
| J.11 | | be mounted in such a way that an operator is not required to be substantially below deck. | ** |
| 3.12 | Mast Step | se sacria may that air operator is not required to be substantially below deck. | |
| | • | epped mast shall be securely fastened to the mast step or adjoining structure. | ** |
| | | , | |

| 3.13 | Watertight Bulkheads multihulls also see OSR 3.05 | Mu0,1,2,3,4 |
|--------|--|-------------------|
| 3.13.1 | A hull shall have either a watertight "crash" bulkhead within 15% of LOA from the bow and abaft the forward end of LWL, | Mo0Mu0,1,2,3,4 |
| 3.13.2 | or permanently installed closed-cell foam buoyancy effectively filling the forward 30% LOA of the hull. Any required watertight bulkhead shall be strongly built to take a full head of water pressure without allowing any leakage | Mo0Mu0,1,2,3,4 |
| 3.13.2 | into the adjacent compartment. | 100010100,1,2,3,4 |
| 3.13.3 | A yacht shall have at least two watertight transverse main bulkheads in addition to any bulkheads positioned within the forward and aft 15 percent of the boat's LOA. | Mo0 |
| 3.13.4 | Outside deck access for inspection and pumping shall be provided to every watertight compartment terminated by a hull section bulkhead, except that deck access to extreme end "crash" compartments is not required. | Mo0 |
| 3.13.5 | An access hatch shall be provided in every required watertight bulkhead (except a "crash" bulkhead). The access hatch shall | Mo0 |
| | have means of watertight closure permanently attached to the main panel, or lid, or cover of the hatch. The closure shall | |
| | not require tools to operate. a) An access hatch should be capable of being securely shut within 5 seconds | Mo0 |
| 3.13.6 | It is strongly recommended that: | 14100 |
| | a) an extreme end "crash" bulkhead should be provided at the stern. If practicable the aft "crash" bulkhead should be | Mo0 |
| | forward of the rudder post. b) after flooding any one major compartment, a yacht should be capable of providing shelter and sustenance for a full | Mo0 |
| | crew for 2 weeks in an essentially dry compartment having direct access to the deck | |
| | c) compartments between watertight bulkheads should be provided with a means of manually pumping out from within the hull from a position outside the compartment | Mo0 |
| 3.14 | Pulpits, Stanchions, Lifelines | |
| 3.14.1 | When due to the particular design of a multihull it is impractical to precisely follow Special Regulations regarding pulpits, | Mu0,1,2,3,4 |
| | stanchions, lifelines, the regulations for monohulls shall be followed as closely as possible with the aim of minimising the risk of people falling overboard. | |
| 3.14.2 | Lifelines required in Special Regulations shall be "taut". | ** |
| | a) As a guide, when a deflecting force of 50 N (5.1 kgf, 11.2 lbf) is applied to a lifeline midway between supports, the lifeline should not deflect more than 50 mm. | ** |
| 3.14.3 | The following shall be provided: | |
| | a) a bow pulpit with vertical height and openings essentially conforming to Table 7. Bow pulpits may be open but the opening between the pulpit and any part of the boat shall never be greater than 360mm (14.2") (this requirement shall | Mo0,1,2,3,4 |
| | be checked by presenting a 360mm (14.2") circle inside the opening). | |
| | b) a stern pulpit, or lifelines arranged as an adequate substitute, with vertical openings conforming to Table 7 | Mo0,1,2,3,4 ** |
| | c) lifelines (guardlines) supported on stanchions, which, with pulpits, shall form an effectively continuous barrier around a working deck for man-overboard prevention. Lifelines shall be permanently supported at intervals of not more than | ^^ |
| | 2.20m (86.6") and shall not pass outboard of supporting stanchions | |
| | d) upper rails of pulpits at no less height above the working deck than the upper lifelines as in Table 7. e) Openable upper rails in bow pulpits shall be secured shut whilst racing | ** |
| | f) Pulpits and stanchions shall be permanently installed. When there are sockets or studs, these shall be through-bolted, | ** |
| | bonded or welded. The pulpit(s) and/or stanchions fitted to these shall be mechanically retained without the help of | |
| | the life-lines. Without sockets or studs, pulpits and/or stanchions shall be through-bolted, bonded or welded. g) The bases of pulpits and stanchions shall not be further inboard from the edge of the appropriate working deck than | ** |
| | 5% of maximum beam or 150 mm (6 in), whichever is greater. | |
| | Stanchion or pulpit or pushpit bases shall not be situated outboard of a working deck. For the purpose of this rule the base shall be taken to include a sleeve or socket into which the tube is fitted but shall exclude a base plate which | ** |
| | carries fixings into the deck or hull. | |
| | i) Provided the complete lifeline enclosure is supported by stanchions and pulpit bases effectively within the working | ** |
| | deck, lifeline terminals and support struts may be fixed to a hull aft of the working deck j) Lifelines need not be fixed to a bow pulpit if they terminate at, or pass through, adequately braced stanchions set | ** |
| | inside and overlapping the bow pulpit, provided that the gap between the upper lifeline and the bow pulpit does not exceed 150 mm (6 in). | |
| | k) Lifelines shall be continuous and fixed only at (or near) the bow and stern. However a bona fide gate is permitted in | ** |
| | the lifelines on each side of a yacht. Except at its fittings, the movement of a lifeline in a fore-and-aft direction shall not be constrained. Temporary sleeving in 3.14.6 (a) shall not modify tension in the line. | |
| | I) Stanchions shall be straight and vertical except that:- | ** |
| | i) within the first 50 mm (2 in) from the deck, stanchions shall not be displaced horizontally from the point at which they | ** |
| | emerge from the deck or stanchion base by more than 10 mm (3/8 in), and ii) stanchions may be angled to not more than 10 degrees from vertical at any point above 50 mm (2 in) from the deck. | ** |
| | m) It is strongly recommended that designs also comply to ISO 15085 | ** |
| 3.14.4 | Special Requirements for Pulpits, Stanchions, Lifelines on Multihulls The following shall be provided:- | |
| | a) on a trimaran – a bow pulpit on the main hull, with lifelines around the main hull supported on stanchions. The lifelines | Mu0,1,2,3,4 |
| | may be interrupted where there are nets or crossbeam wings outboard of the main hull b) on a trimaran – where a net joins the base of a bow pulpit on the main hull, an additional lifeline from the top of the | Mu0,1,2,3,4 |
| | pulpit to the forward crossbeam at or outboard of the crossbeam mid-point. | 14100,1,2,3,7 |
| | c) on a trimaran – at a main or emergency steering position on an outrigger with or without a cockpit, lifelines protecting | Mu0,1,2,3,4 |
| | an arc of 3 meters diameter centred on the steering position. (When measuring between lifelines their taut, undeflected positions shall be taken for this purpose). | |
| | d) on a catamaran – lifelines from bow to stern on each hull and transverse lifelines to form an effectively continuous | Mu0,1,2,3,4 |
| | barrier around the working area for man-overboard prevention. The transverse lifelines shall be attached to bow and stern pulpits or superstructure. A webbing, strop or rope (minimum diameter 6mm) shall be rove zig-zag between the | |
| | transverse lifelines and the net. | |

| TABLE 7 LOA | parliage of and desired and | minimum requirements |
|---|--|--|
| under 8.5 m (28 ft) | earliest of age/seriesdate before January 1992 | minimum requirements taut single lifeline at a height of no less than 450 mm (18 in) above the working deck. No vertical opening shall |
| under 8.5 m (28 ft) | January 1992 and after | exceed 560 mm (22 in). as for under 8.5 m (28 ft) in table 7 above, except that when an intermediate lifeline is fitted no vertical opening |
| 8.5 m (28 ft) and over | before January 1993 | shall exceed 380 mm (15 in). taut double lifeline with upper lifeline at a height of no less than 600 mm (24 in) above the working deck. No |
| 8.5 m (28 ft) and over | January 1993 and after | vertical opening shall exceed 560 mm (22 in) as 8.5 m (28 ft) and over in Table 7 above, except that no vertical opening shall exceed 380 mm (15 in). |
| all | all | on yachts with intermediate lifelines the intermediate line shall be not less than 230 mm (9 in) above the working deck. |
| Lifeline Minimum Diam | neters, Required Materials, Sp | ocifications |
| a) Lifelines shall be stra and used without clo | nded stainless steel wire of min se-fitting sleeving. | imum diameter in table 8 below. Lifelines shall be uncoated |
| | | e fitted provided it is regularly removed for inspection |
| b) Grade 316 stainless wc) A taut lanvard of syn | | ure lifelines provided the gap it closes does not exceed |
| 100 mm (4 in). This la | nyard shall be replaced annually | y at a minimum. |
| d) All wire, fittings, anch | | ards shall comprise a lifeline enclosure system which has at |
| TABLE 8 LOA | minimum wire dia | matar |
| under 8.5 m (28ft) | 3 mm (1/8 in) | metel |
| 8.5m – 13 m | 4 mm (5/32 in) | |
| over 13 m (43 ft) | 5 mm (3/16 in) | |
| TABLE 9 | elines – Limitations on Mater Date detail | ials |
| TABLE 9 Earliest of Age or Series before January 1987 | Date detail carbon fil | bre is not recommended in stanchions pulpits and lifelines. |
| TABLE 9 Earliest of Age or Series | Date detail carbon fil | |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram | Date detail carbon fil stanchior | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch | Date detail carbon fil stanchior | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- | Date detail carbon fil stanchior polines hangeable with the word "tramp | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att | Date detail carbon fil stanchion polines hangeable with the word "tramp voven webbing, water permeable achment points shall be planne | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full | Date detail carbon fil stanchior polines hangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping in intervals on transverse and lo | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. soline" de fabric, or mesh with openings not larger than 5.08cm (2 inches) |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full is inverted. e) It is recommended th than four attachmen | Date detail carbon fil stanchior polines hangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping ar intervals on transverse and lo weight of the crew either in no hat lines used to tie the nets shall be points per connecting line | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. soline" de fabric, or mesh with openings not larger than 5.08cm (2 inches) and to avoid chafe. The junction between a net and a yacht shall angitudinal support lines and shall be fine-stitched to a bolt rope |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full is inverted. e) It is recommended th than four attachmen Trimarans with Double | Date detail carbon fil stanchior polines nangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping ar intervals on transverse and lo weight of the crew either in no nat lines used to tie the nets shall points per connecting line Crossbeams | bre is not recommended in stanchions pulpits and lifelines. as, pulpits and lifelines shall not be made of carbon fibre. coline" de fabric, or mesh with openings not larger than 5.08cm (2 inches) and to avoid chafe. The junction between a net and a yacht shall angitudinal support lines and shall be fine-stitched to a bolt rope rmal working conditions at sea or in case of capsize when the yacht could be individually tied and not continuously connected to more |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full is inverted. e) It is recommended th than four attachmen Trimarans with Double a) A trimaran with doub | Date detail carbon fil stanchior polines hangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping ar intervals on transverse and lo weight of the crew either in no hat lines used to tie the nets shall be points per connecting line | bre is not recommended in stanchions pulpits and lifelines. Ins., pulpits and lifelines shall not be made of carbon fibre. Insoline" It is fabric, or mesh with openings not larger than 5.08cm (2 inches) and to avoid chafe. The junction between a net and a yacht shall ingitudinal support lines and shall be fine-stitched to a bolt rope rmal working conditions at sea or in case of capsize when the yacht could be individually tied and not continuously connected to more on each side covering:- |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full is inverted. e) It is recommended th than four attachmen Trimarans with Double a) A trimaran with doub b) the rectangles formed c) the triangles formed | Date detail carbon fil stanchior polines hangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping ar intervals on transverse and lo weight of the crew either in no hat lines used to tie the nets shall points per connecting line Crossbeams ble crossbeams shall have nets of d by the crossbeams, central huby the aft end of the central put | bre is not recommended in stanchions pulpits and lifelines. Ins., pulpits and lifelines shall not be made of carbon fibre. Insoline" It is fabric, or mesh with openings not larger than 5.08cm (2 inches) and to avoid chafe. The junction between a net and a yacht shall ingitudinal support lines and shall be fine-stitched to a bolt rope rmal working conditions at sea or in case of capsize when the yacht could be individually tied and not continuously connected to more on each side covering:- |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full is inverted. e) It is recommended th than four attachmen Trimarans with Double a) A trimaran with doub b) the rectangles formed c) the triangles formed of the crossbeam and d) the triangles formed | Date detail carbon fil stanchior polines hangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping ar intervals on transverse and loweight of the crew either in no hat lines used to tie the nets shall points per connecting line Crossbeams ble crossbeams shall have nets of d by the crossbeams, central huby the aft end of the central put the central hull by the aftermost part of the co | bre is not recommended in stanchions pulpits and lifelines. Ins., pulpits and lifelines shall not be made of carbon fibre. It is fabric, or mesh with openings not larger than 5.08cm (2 inches) and to avoid chafe. The junction between a net and a yacht shall ingitudinal support lines and shall be fine-stitched to a bolt rope in the same working conditions at sea or in case of capsize when the yacht could be individually tied and not continuously connected to more and outriggers alpit, the mid-point of each forward crossbeam, and the intersection occupied to steering position (whichever is furthest aft), the mid-point |
| TABLE 9 Earliest of Age or Series before January 1987 January 1987 and after Multihull Nets or Tram The word "net" is interch A net shall be:- a) essentially horizontal b) made from durable w in any dimension. Att present no risk of foc c) solidly fixed at regula d) able to carry the full is inverted. e) It is recommended th than four attachmen Trimarans with Double a) A trimaran with doub b) the rectangles formed of the crossbeam and d) the triangles formed of each after crossbe e) the requirement in O | Date detail carbon fil stanchior polines nangeable with the word "tramp voven webbing, water permeable achment points shall be planned trapping ar intervals on transverse and lo weight of the crew either in no neat lines used to tie the nets shall be planned to the points per connecting line Crossbeams Pole crossbeams shall have nets of the crossbeams, central huby the aft end of the central put the central hull by the aftermost part of the column, and the intersection of the | bre is not recommended in stanchions pulpits and lifelines. Ins., pulpits and lifelines shall not be made of carbon fibre. It is fabric, or mesh with openings not larger than 5.08cm (2 inches) and to avoid chafe. The junction between a net and a yacht shall ingitudinal support lines and shall be fine-stitched to a bolt rope rmal working conditions at sea or in case of capsize when the yacht could be individually tied and not continuously connected to more on each side covering: In each side covering: In each side covering: In and outriggers Il july the mid-point of each forward crossbeam, and the intersection |
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| | nd not further inboard from the ed ations shall apply:- | manently installed around the foredeck from abreast the mast, except ge of the working deck than one third of the local half-beam. |
|---|--|--|
| TABLE 10 | ations shall apply. | |
| LOA | Earliest of Age or Series Date | minimum requirements |
| Any Any | before January 1981 before January 1993 | a toe rail minimum height of 20 mm (3/4 in) is acceptable. an additional lifeline of minimum height 25 mm (1 in) and maximum height 50 mm (2 in) is acceptable in lieu of a toe rail (but shall not count as an intermediate lifeline). |
| Any | January 1994 and after | the toe rail shall be fitted as close as practicable to the vertical axis of stanchion bases but not further inboard than 1/3 the local half-beam. |
| Toilet | | |
| A toilet, permaner | ntly installed | |
| | ntly installed or fitted bucket | |
| Bunks | | |
| | y installed, one for each member o | f the declared crew |
| Bunks, permanentl | y installed | |
| Cooking Facilities | average and by imperalled an account of a | stand with safe assessible fivelaborated assessed and asset assessed |
| safely operated in | | stened with safe accessible fuel shutoff control and capable of being |
| | a seaway. anks & Drinking Water | |
| Drinking Water Ta | | |
| a) A yacht shall ha | ave a permanently installed delivery | |
| • | water supply into at least three con | • |
| | water supply into at least two comp | partments |
| Drinking Water | II been abeen assess | ktali mana ta ala da amakama da mana da 1 a a 1 a a 1 a a 1 a a 1 |
| | | hich may include watermakers and tanks containing water) |
| the voyage | istaned to provide at least 3 litres of | f drinking water per person per day for at least the likely duration of |
| Emergency Drinki | ing Water | |
| | | nking water for emergency use shall be provided in a dedicated and |
| | er or container(s) | |
| b) In the absence | of a power driven watermaker, at le | ast 1 litre per person per day in at least two separate containers |
| | ed for the expected duration of the | |
| | | east 500ml per person per day in at least two separate containers |
| | ed for the expected duration of the | drinking purposes including when dismasted |
| | | d be so arranged that drinking water is readily accessible when the |
| | | |
| yacht is inverte | | |
| yacht is inverte Hand Holds | | |
| Hand Holds Adequate hand ho | | at crew members may move about safely at sea. |
| Hand Holds Adequate hand ho A hand hold shoul | d be capable of withstanding withc | at crew members may move about safely at sea. out rupture a side force of 1500N – attention is drawn to ISO 15085. |
| Hand Holds Adequate hand ho A hand hold shoul Bilge Pumps and I | d be capable of withstanding withc Buckets | out rupture a side force of 1500N – attention is drawn to ISO 15085. |
| Hand Holds Adequate hand ho A hand hold shoul Bilge Pumps and I No bilge pump ma | d be capable of withstanding witho Buckets y discharge into a cockpit unless the | out rupture a side force of 1500N – attention is drawn to ISO 15085. at cockpit opens aft to the sea. |
| Hand Holds Adequate hand ho A hand hold shoul Bilge Pumps and I No bilge pump ma Bilge pumps shall I | d be capable of withstanding withon Buckets y discharge into a cockpit unless the not be connected to cockpit drains. | at cockpit opens aft to the sea. (OSR 3.09) |
| Hand Holds Adequate hand ho A hand hold shoul Bilge Pumps and I No bilge pump ma Bilge pumps shall n Bilge pumps and st | d be capable of withstanding withon Buckets y discharge into a cockpit unless the not be connected to cockpit drains. trum boxes shall be readily accessib | at cockpit opens aft to the sea. (OSR 3.09) le for maintenance and for clearing out debris |
| Hand Holds Adequate hand ho A hand hold shoul Bilge Pumps and I No bilge pump ma Bilge pumps shall n Bilge pumps and st | d be capable of withstanding withon Buckets y discharge into a cockpit unless the not be connected to cockpit drains. trum boxes shall be readily accessib | at cockpit opens aft to the sea. (OSR 3.09) |
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| Hand Holds Adequate hand hold should Bilge Pumps and I No bilge pumps shall in Bilge pumps shall in Bilge pumps and st Unless permanent accidental loss The following shall a) two permanent shall be operable b) one permanent seats, hatches ac c) multihulls shall buoyancy). d) at least one pe e) one manual bil f) two buckets of have a lanyard. Compass The following shall a) a marine magne deviation card, b) a compass whice | Id be capable of withstanding without Buckets by discharge into a cockpit unless the not be connected to cockpit drains. It trum boxes shall be readily accessibly installed, each bilge pump handled by installed manual bilge pumps, or onle with all cockpit seats, hatches are cient capacity to accommodate similarly installed manual bilge pump eith and companionways shut and shall be have provision to pump out all watermanently installed manual bilge pump is stout construction each with at least least least provided: I be provided: I be provided: etic compass, independent of any person and some provided and compass, independent of any person acceptance in the compass, independent of any person acceptance in the construction acceptance in the compass, independent of any person acceptance in the compass, independent of any person acceptance in the construction acceptance in the compass, independent of any person acceptance in the construction accep | at cockpit opens aft to the sea. (OSR 3.09) le for maintenance and for clearing out debris e shall be provided with a lanyard or catch or similar device to prevent the operable from above, the other from below deck. Each pump and companionways shut and shall have permanently installed discharge ultaneously both pumps there above or below deck. The pump shall be operable with all cockpit have a permanently installed discharge pipe. terright compartments (except those filled with impermeable tump operable with all cockpit seats, hatches and companionways shut ast 9 litres (2 UK gallons, 2.4 US gallons) capacity. Each bucket to |
| Hand Holds Adequate hand hold should Bilge Pumps and I No bilge pumps shall in Bilge pumps shall in Bilge pumps and st Unless permanent accidental loss The following shall a) two permanent shall be operate bilde one permanent seats, hatches a c) multihulls shall buoyancy). d) at least one pe e) one manual bil f) two buckets of have a lanyard. Compass The following shal a) a marine magne deviation card, b) a compass which | Id be capable of withstanding without Buckets by discharge into a cockpit unless the not be connected to cockpit drains. It is trum boxes shall be readily accessibly installed, each bilge pump handled by installed manual bilge pumps, or onle with all cockpit seats, hatches are interested in the companion ways shut and shall be have provision to pump out all water manently installed manual bilge pump is stout construction each with at least least provided: I be provided: | at cockpit opens aft to the sea. (OSR 3.09) le for maintenance and for clearing out debris e shall be provided with a lanyard or catch or similar device to prevent the operable from above, the other from below deck. Each pump and companionways shut and shall have permanently installed discharge ultaneously both pumps her above or below deck. The pump shall be operable with all cockpit have a permanently installed discharge pipe. tertight compartments (except those filled with impermeable hamp operable with all cockpit seats, hatches and companionways shut ast 9 litres (2 UK gallons, 2.4 US gallons) capacity. Each bucket to |
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| | lavigation lights shall be mounted so that they will not be masked by sails or the heeling of the yacht. | ** |
|-------------|---|------------------------------|
| | lavigation lights shall not be mounted below deck level and should be at no less height than immediately under the upper feline. | ** |
| N | lavigation light intensity | ** |
| _ | ABLE 11 OA Guide to required minimum power rating for an electric bulb in a navigation light | |
| | nder 12 m (39.4 ft) 10 W | |
| 12 | ? m (39.4 ft) and above 25 W | |
| | eserve navigation lights shall be carried having the same minimum specifications as the navigation lights above, with a | MoMu |
| | eparable power source, and wiring or supply system essentially separate from that used for the normal navigation lights | ** |
| | pare bulbs for navigation lights shall be carried, or for lights not dependent on bulbs, appropriate spares. ropulsion Engines, Generators, Fuel, Batteries | ~~ |
| | ropulsion Engines | |
| | Engines and associated systems shall be installed in accordance with their manufacturers' guidelines and shall be of a | ** |
| | type, strength, capacity, and installation suitable for the size and intended use of the yacht. | |
| Ь | An inboard propulsion engine when fitted shall: be provided with permanently installed exhaust, coolant, and fuel | ** |
| | supply systems and fuel tank(s); be securely covered; and adequate protection from the effects of heavy weather. | N 4 = N 4 |
| C | A propulsion engine required by Special Regulations shall provide a minimum speed in knots of (1.8 x square root of LWL in metres) or (square root of LWL in feet). | MoMu |
| Ь | A propulsion engine shall be provided either as an inboard propulsive engine or as an outboard engine with associated | Mo3 |
| u | tanks and fuel supply systems, all securely fastened. | 05 |
| | An inboard propulsion engine shall be provided for yachts. | Mo0,1,2 |
| | Boats of less then 12.0m hull length may be provided with an inboard propulsion engine, or an outboard engine together | Mu1,2,3 |
| _ | with permanently installed fuel systems and fuel tank(s) may be used as an alternative. | |
| | enerator separate engine for electricity is optional. However, when a separate generator is carried it shall be permanently installed. | ** |
| | separate engine for electricity is optional. However, when a separate generator is carried it shall be permanently installed, ecurely covered, and shall have permanently installed exhaust, cooling and fuel systems and fuel tank(s), and have adequate | |
| | rotection from the effects of heavy weather | |
| | uel Systems | |
| a | Each fuel tank provided with a shutoff valve. Except for permanently installed linings or liners, a flexible tank is not | MoMu |
| | permitted as a fuel tank. | |
| Ь | The propulsion engine shall have a minimum amount of fuel which may be specified in the Notice of Race but if not, shall be sufficient to be able to meet charging requirements for the duration of the race and to motor at the above minimum. | MoMu |
| | be sufficient to be able to meet charging requirements for the duration of the race and to motor at the above minimum speed for at least 8 hours | |
| В | attery Systems | |
| | When an electric starter is the only method for starting the engine, the yacht shall have a separate battery, the primary | MoMu |
| | purpose of which to start the engine. | |
| Ь | All rechargeable batteries on board shall be of the sealed type from which liquid electrolyte cannot escape. Other types | MoMu |
| | of battery installed on board at 1/06 may continue in use for the remainder of service lives, although it is strongly recommended that they be changed for sealed batteries as soon as possible. | |
| | It is recommended that they be changed for seated batteries as soon as possible. It is recommended that consideration be given to the installation of sealed batteries, noting however that a special | MoMu |
| ٠ | charging device may be specified by the battery manufacturers. | |
| | ommunications Equipment, EPFS (Electronic Position-Fixing System), Radar, AIS | |
| | rovision of GMDSS and DSC is unlikely to be mandatory for small craft during the term of the present Special Regulations | MoMu |
| | lowever it is recommended that persons in charge include these facilities when installing new equipment. | |
| | he following shall be provided: A marine radio transceiver (or if stated in the Notice of Race, an installed satcom terminal), and | 14014 |
| a | i an emergency antenna when the regular antenna depends upon the mast. | MoMu MoMu |
| | When the marine radio transceiver is VHF: | MoMu |
| Ь | i it shall have a rated output power of 25W | MoMu |
| Ь | ii it shall have a masthead antenna, and co-axial feeder cable with not more than 40% power loss | MoMu |
| Ь | | |
| Ь | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m | MoMu |
| Ь | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8U; ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional | МоМи |
| Ь | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, | MoMu |
| Ь | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) — type RG8X ("mini 8"); (b) 15-28m (50-90ft) — type RG8U; (c) 28-43m (90-140ft) — type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft — type LMR600 (uses special connectors, available from US supplier Times Microwave). | MoMu |
| b | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted | МоМи |
| Ь | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) — type RG8X ("mini 8"); (b) 15-28m (50-90ft) — type RG8U; (c) 28-43m (90-140ft) — type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft — type LMR600 (uses special connectors, available from US supplier Times Microwave). | МоМи |
| Ь | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of | МоМи |
| | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of the ITU. | MoMu |
| | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of the ITU. At least two hand-held satellite telephones, watertight or with waterproof covers and internal batteries. When not in | МоМи |
| C | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of the ITU. At least two hand-held satellite telephones, watertight or with waterproof covers and internal batteries. When not in use each to be stowed in a grab bag (see OSR 4.21) | МоМи МоМи МоМи |
| C | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.29.1 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of the ITU. At least two hand-held satellite telephones, watertight or with waterproof covers and internal batteries. When not in use each to be stowed in a grab bag (see OSR 4.21) At least two hand-held marine VHF transceivers each with min 5w output power, watertight or with waterproof covers. | МоМи МоМи МоМи |
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| c d e | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.291 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of the ITU. At least two hand-held satellite telephones, watertight or with waterproof covers and internal batteries. When not in use each to be stowed in a grab bag (see OSR 4.21) At least two hand-held marine VHF transceivers each with min 5w output power, watertight or with waterproof covers. When not in use to be stowed in a grab bag (see OSR 4.21) A hand-held marine VHF transceiver, watertight or with a waterproof cover. When not in use to be stowed in a grab bag or emergency container (see OSR 4.21) Independent of a main radio transceiver, a radio receiver capable of receiving weather bulletins | МоМи МоМи МоМи |
| c d e | iii the following types and lengths of co-axial feeder cable will meet the requirements of OSR 3.291 (b)(ii): (a) up to 15m (50ft) – type RG8X ("mini 8"); (b) 15-28m (50-90ft) – type RG8U; (c) 28-43m (90-140ft) – type 9913F (uses conventional connectors, available from US supplier Belden); (d) 43-70m) 140-230ft – type LMR600 (uses special connectors, available from US supplier Times Microwave). iv it should include channel 72 (an international ship-ship channel which, by common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) v Notwithstanding OSR 3.29.1 (b) a yacht in a Category Zero race shall have a marine VHF DSC radio in accordance with OSR 3.29.1 (b) (I) and (ii) covering all international and US marine channels and meeting the class D specification of the ITU. At least two hand-held satellite telephones, watertight or with waterproof covers and internal batteries. When not in use each to be stowed in a grab bag (see OSR 4.21) At least two hand-held marine VHF transceivers each with min 5w output power, watertight or with waterproof covers. When not in use to be stowed in a grab bag (see OSR 4.21) A hand-held marine VHF transceiver, watertight or with a waterproof cover. When not in use to be stowed in a grab bag or emergency container (see OSR 4.21) | MoMu MoMu MoMu MoMu |

| | h) A D/F (direction-finding) radio receiver operating on 121.5MHz to take a bearing on a PLB or EPIRB, or an alternative device | MoMu0 |
|------------------|---|--|
| | for man-overboard location when each crew member has an appropriate personal unit (see OSR 5.07); | |
| | i) An EPFS (Electronic Position-Fixing System) (e.g. GPS) j) A Standard-C satellite terminal (GMDSS) shall be permanently installed and permanently powered up for the duration | MoMu0,1,2,3 MoMu0 |
| | of the race and for which the race committee shall have polling authority. | MoMuo |
| | k) An MF/HF marine SSB transceiver (GMDSS/DSC) with at least 125 watts transmitter power and frequency range from | MoMu0 |
| | at least 1.6 to 29.9 MHz with permanently installed antenna and earth. | |
| | l) An active radar set permanently installed, with not less than 4 kW PEP with antenna mounted at least 7 metres above | MoMu0 |
| | the water. The radar antenna unit shall have a maximum dimension not less than 533 mm. The radar shall be mounted so that the antenna unit remains essentially horizontal when the yacht is heeled. Installations in place before January | |
| | 2006 shall comply as closely as possible with OSR 3.29.(L) | |
| | m) A class A AIS | MoMu0 |
| | n) An AIS Transponder | MoMu1,2 |
| 3.29.2 | o) A type B AIS Transponder is recommended Yachts are reminded that no reflector, active or passive, is a guarantee of detection or tracking by a vessel using radar. | MoMu3 ** |
| 3.27.2 | a) The attention of Persons in Charge is drawn to legislation in force or imminent affecting the territorial seas of some | ** |
| | countries in which the carriage of an AIS set is or will be mandatory for certain vessels including relatively small craft. | |
| SECTIO | ON 4 — PORTABLE EQUIPMENT & SUPPLIES for the yacht | |
| | ater & fuel see OSR 3.21 and OSR 3.28) | |
| 4.01 | Sail Letters & Numbers | |
| 4.01.1 | Yachts which are not in an ISAF International Class or Recognized Class shall comply with RRS 77 and Appendix G as | ** |
| | closely as possible, except that sail numbers allotted by a State authority are acceptable. | |
| 4.01.2 | Sail numbers and letters of the size carried on the mainsail must be displayed by alternative means when none of the | ** |
| | numbered sails is set. After the start when sail numbers are not displayed elsewhere (sails down) they shall be displayed on the port quarter. It | ** |
| | is particularly important that all vessels can be identified so that they can be excluded from any search and rescue | |
| | operation. | |
| 4.021 | Hull marking | |
| 4.02.1 | To assist in SAR location:- a) Each yacht shall show at least 4 square metres of fluorescent pink or orange or yellow colour as far as possible in a single | MoMu0 |
| | area on the coachroof and/or deck where it can best be seen | |
| | b) Each yacht is recommended to show at least 1 square metre of fluorescent pink or orange or yellow colour as far as | MoMul |
| 4.02.2 | possible in a single area on the coachroof and/or deck where it can best be seen Multihulls shall show on the underside, where they can be seen when inverted, an solid area of highly-visible colour (e.g. | Mu0,1,2,3,4 |
| 4.02.2 | Day-Glo pink, orange, or yellow) of at least 1 square metre | 10100,1,2,3,4 |
| 4.02.3 | Each yacht is recommended to show on each underwater appendage an area of highly-visible colour | MoMu0,1 |
| 4.03 | Soft Wood Plugs | ** |
| | Soft wood plugs, tapered and of the appropriate size, shall be attached or stowed adjacent to the appropriate fitting for every through-hull opening. | ^^ |
| 4.04 | Jackstays, Clipping Points and Static Safety Lines | |
| 4.04.1 | The following shall be provided: | |
| | a) Jackstays:- shall be provided- | MoMu0,1,2,3 |
| | i attached to through-bolted or welded deck plates or other suitable and strong anchorage fitted on deck, port and | MoMu0,1,2,3 |
| | starboard of the yacht's centre line to provide secure attachments for safety harness:- | 111011100,1,2,3 |
| | ii comprising stainless steel 1 x 19 wire of minimum diameter 5 mm (3/16 in), or webbing of equivalent strength; | MoMu0,1,2,3 |
| | iii which, when made from stainless steel wire shall be uncoated and used without any sleeving; | MoMu0,1,2,3 |
| | iv 20kN (2,040 kgf or 4,500 lbf) min breaking strain webbing is recommended; v at least two of which should be fitted on the underside of a multihull in case of inversion. | MoMu0,1,2,3 Mu0,1,2,3 |
| 4.04.2 | Clipping Points:- | |
| | shall be provided- | |
| | a) attached to through-bolted or welded deck plates or other suitable and strong anchorage points adjacent to stations such as the helm, sheet winches and masts, where crew members work for long periods:- | MoMu0,1,2,3 |
| | b) which, together with jackstays and static safety lines shall enable a crew member- | MoMu0,1,2,3 |
| | | |
| | i to clip on before coming on deck and unclip after going below; | MoMu0,1,2,3 |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the | MoMu0,1,2,3 MoMu0,1,2,3 |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. | MoMu0,1,2,3 |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations.c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending | |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. | MoMu0,1,2,3 |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst | MoMu0,1,2,3 MoMu0,1,2,3 |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst clipped on. | MoMu0,1,2,3 MoMu0,1,2,3 |
| 4.05 | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst | MoMu0,1,2,3 MoMu0,1,2,3 |
| | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst clipped on. e) Warning – U-bolts as clipping points – see OSR 5.02.1(a) Fire Extinguishers Shall be provided as follows: | MoMu0,1,2,3 MoMu0,1,2,3 Mu0,1,2,3 |
| 4.05.1 | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst clipped on. e) Warning – U-bolts as clipping points – see OSR 5.02.1(a) Fire Extinguishers Shall be provided as follows: Fire extinguishers, at least two, readily accessible in suitable and different parts of the yacht | MoMu0,1,2,3 MoMu0,1,2,3 Mu0,1,2,3 |
| 4.05.1 4.05.2 | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst clipped on. e) Warning – U-bolts as clipping points – see OSR 5.02.1(a) Fire Extinguishers Shall be provided as follows: Fire extinguishers, at least two, readily accessible in suitable and different parts of the yacht Fire Extinguishers, at least two, of minimum 2kgs each of dry powder or equivalent | MoMu0,1,2,3 MoMu0,1,2,3 Mu0,1,2,3 *** |
| 4.05.1 | ii whilst continuously clipped on, to move readily between the working areas on deck and the cockpit(s) with the minimum of clipping and unclipping operations. c) The provision of clipping points shall enable two-thirds of the crew to be simultaneously clipped on without depending on jackstays d) In a trimaran with a rudder on the outrigger, adequate clipping points shall be provided that are not part of the deck gear or the steering mechanism, in order that the steering mechanism can be reached by a crew member whilst clipped on. e) Warning – U-bolts as clipping points – see OSR 5.02.1(a) Fire Extinguishers Shall be provided as follows: Fire extinguishers, at least two, readily accessible in suitable and different parts of the yacht | MoMu0,1,2,3 MoMu0,1,2,3 Mu0,1,2,3 |

| | 12 | shall be carried according to the table below: | | |
|----------------------------------|---|--|-------------------------------|-------------------|
| LOA | | detail | race category | |
| any | | The specification of anchor, chain and rope shall be in accordance with | | |
| | | relevant class rules or the rules of a recognised Classification Society | | |
| | | (e.g. Lloyd's, DNV, etc.) | MoMu0 | |
| 8.5 m | (28 ft) and over | 2 anchors together with a suitable combination of chain and rope, | | |
| | | all ready for immediate use | MoMu1,2,3 | |
| under | 8.5 m (28 ft) | 1 anchor together with a suitable combination of chain and rope, | | |
| | | all ready for immediate use | MoMu1,2,3 | |
| any | | 1 anchor, readily accessible | MoMu4 | |
| Flash | ight(s) | | | |
| | llowing shall be | provided:- | | |
| | | oowered flashlight or spotlight, with spare batteries and bulbs, and | | MoMu0,1, |
| | | ght with spare batteries and bulb | | ** |
| | | rtight flashlight in OSR 4.07.1 (b) shall be stowed in the grab bag or emerg | ency container | Mu3,4 |
| d) a v | atertight high-i | ntensity heavy duty searchlight powered by the ships' batteries, instant | ly available for use on deck | MoMu0,1, |
| an | d in the cockpit, | , with spare bulbs. The searchlight shall be capable of continuous use. I | f rechargeable the | |
| se | rchlight shall be | e capable of operating whilst being charged. | | |
| RORC | recommends: A | floating torch is carried ready for immediate use in the event of man over | erboard at night, where the | ** |
| torch | can be thrown ir | n the sea and the beam will shine vertically upwards as an aid to finding t | he man in the dark | |
| First A | id Manual and | First Aid Kit | | |
| | | nual shall be provided | | ** |
| | | ational Authority's requirement, the latest edition of one of the following | is recommended:- | ** |
| | | cal Guide for Ships, World Health Organisation, Geneva | | MoMu0,1 |
| | | Douglas Justins and Colin Berry, published by Adlard Coles Nautical, Lond | | MoMu2,3 |
| c) Le | Guide de la med | decine a distance, by Docteur J Y Chauve, published by Distance Assistanc | ce BP33 F-La Baule, cedex, | ** |
| | | translation may be available. | | |
| A Firs | Aid Kit shall be | provided | | ** |
| The c | ontents and stor | age of the First Aid Kit should reflect the guidelines of the Manual carried | d, the likely conditions and | ** |
| durati | on of the passag | ge, and the number of people aboard the yacht. | | |
| Fogh | | | | |
| A fogl | orn shall be pro | vided | | ** |
| | Reflector | | | |
| | | ctor (that is, a Radar Reflector without any power) shall be provided | | ** |
| • | | is octahedral it must have a minimum diagonal measurement of 456 mm nented RCS (radar cross-section) of not less than 10 square metres. The m | | ** |
| | ove water is 4.0 | · · · · · · · · · · · · · · · · · · · | | |
| | | tive devices referred to in these notes and in 4.10.1 and 4.10.2 above are p | rimarily intended for use in | ** |
| | X (9GHz) band | | , | |
| | | dar response from a yacht may be provided by an RTE (Radar Target Enhai | ncer) which may be on | MoMu1,2 |
| board | in addition to t | he required passive reflector. An RTE should conform to Recommenda | tion ITU-R 1176. An RTE is | |
| stron | ly recommende | d. | | |
| a) Ar | RTE shall be pro | ovided in compliance with ITU-R 1176 | | MoMu0 |
| b) Th | e display of a pa | assive reflector or the operation of an RTE is for the person in charge to o | ecide according to prevailing | ** |
| CC | nditions. | | | |
| A pas | sive reflector in o | compliance with revised ISO8729 (revision in progress at January 2006) of | fers improved performance | ** |
| | | d has a size typified by a cylinder of not more than weight 5kg, height 750n | | |
| | | blished the Special Regulations regarding radar reflectors will be reviewed | | |
| S (3GI | Hz) band radar is | often used by ships to complement X (9GHz) band radar. On S (3GHz) ba | nd a conventional reflector | ** |
| or RT | offers about or | ne tenth the response obtained on the X (9GHz) band. | | |
| Navig | ation Equipmen | nt | | |
| Chart | ; | | | |
| Navig | ational charts (no | ot solely electronic), light list and chart plotting equipment shall be provi | ded | ** |
| Reser | e Navigation Sy | stem | | |
| | | mended to carry a sextant with suitable tables and a timepiece or an adec | | MoMu0,1 |
| syster | n so that total re | liance is not placed on dead-reckoning and a single form of EPFS (Electror | nic Position-Fixing System) | |
| | | vww.navcen.uscg.gov/archive/2001/Oct/FinalReport-v4.6.pdf) | | |
| | / Equipment Lo | | | |
| A safe | ty equipment lo | cation chart in durable waterproof material shall be displayed in the main | n accommodation where | ** |
| | best be seen, cle | early marked with the location of principal items of safety equipment. | | |
| it can | Sounder or Lead | | | |
| | | | | NA - NA - 12 |
| Echo | | ad line shall be provided | | MOMUI,2 |
| Echo An ec Two ii | no sounder or le idependent ech | o sounders shall be provided | | MoMu0 |
| Echo An ec Two ii Speed | no sounder or le idependent ech lometer or Dist | | | MoMu1,2, MoMu0 |

| of being firted to the rudder stock; b) crews must be aware of alternative methods of steering the yacht in any sea condition in the event of rudder loss. At least one method must have been proven to work on board the yacht. An inspector may require that this method be demonstrated. Tools and Spare Parts: Tools and Spare Parts: Tools and spare parts, including effective means to quickly disconnect or sever the standing rigging from the hull shall be provided. And the Part of the man shall be on miscellaneous buoyant equipment, such as lifejackets, custions, lifebuoys, lifeslings, grab bags etc. Marks name Yach's name Yach's name and the provided of the provide | | | |
|--|--------|--|-------------|
| all except when the principal method of steering is by means of an unbreakable metal tiller, an emergency tiller capable of being fitted to the rudder stock; b) crees must be aware of alternative methods of steering the yacht in any sea condition in the event of rudder loss. At least one method must have been proven to work on board the yacht. An impector may require that this method be demonstrated. 100 and spare parts, including effective means to quickly disconnect or sever the standing riging from the hull shall be provided. 117 Yacht's name. 118 Yacht's name hall be on miscellaneous buoyant equipment, such as lifejackets, cushions, lifebuoys, lifeslings, grab bags etc. 118 Marine grade retro-reflective material ability that is a such as lifejackets, cushions, lifebuoys, lifeslings, grab bags etc. 119 Alon Het EPRB shall be provided. 120 Alon Het EPRB shall be provided. 13 At least two 406 MHz EPRBs shall be provided. 13 At least two 406 MHz EPRBs shall be provided. 14 Alon Het EPRBs shall be provided. 15 LifeBs should be provided and the shall be provided as a provided and the shall be provided and a provided and the shall be provided. 16 LifeBs should be feeted in accordance with manufacturer's instructions when first commissioned and then at least annually. 17 Alon Het EPRBs shall be provided as a provided and the shall be provided and the shall be provided and the notified to event or gradiers and kept available for membrale ose. On the provision of a location device (e.g. an Regard backor) around an one-Shall be provided and the notified to device or gradiers and kept available for ammediate ose. On the provision of a location device (e.g. an Regard backor) appraisal on non-Shall frequencies, to add shall get a provided and the notified to device shall be provided and the notified to device the gradient of the provision of a location replaced on the provision of a location replaced and the notified provision of a location replaced and the provision of a location replaced and the provision o | 4.15 | Emergency Steering | |
| h) crews must be aware of alternative methods of steering the yacht in any sea condition in the event of audiet loss. At least one method must have been proven to work on board the yacht. An inspector may require that this method be demonstrated. 10 | | Emergency steering shall be provided as follows: | MoMu0,1,2,3 |
| demonstrated. 16 Tools and Spare Parts Tools | | b) crews must be aware of alternative methods of steering the yacht in any sea condition in the event of rudder loss. At | MoMu0,1,2,3 |
| Tools and spare parts, including effective means to quickly disconnect or sever the standing rigging from the hull shall be provided. 1417 Yearh's name Yach's name shall be on miscellaneous buoyant equipment, such as lifejackets, cushions, lifebuoys, lifeslings, grab bags etc. 1418 Marine grade retro-reflective materal shall be litted to lifebuoys, lifeslings, liferafts and lifejackets. See OSRs 5.04, 5.08. 1419 A 60 MHz EPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 16 Less trow 400 MHz FPIRB shall be provided A 17 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall contain at least a 5 LoCA SY Prack. 15 Liferaft Shall be provided Carable of carrying the whole crew when each liferaft shall comply with either: 16 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided the A Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A 18 Less trow 400 MHz FPIRB shall be provided A | | demonstrated. | |
| A 406 MHz FRR8 shall be provided. A 59 PIRBs A 406 MHz FRR8 shall be provided. A 59 PIRBs A 406 MHz FRR8 shall be provided. A 59 PIRBs A 406 MHz FRR8 shall be provided. A 506 MHz FRR8 shall be provided. A 507 MHz FRR8 shall be provided be notified to event organizers and kept available for immediate use. Fragmental FRR8 shall be provided to event organizers and kept available for immediate use. Fragmental FRR8 shall be provided to event organizers and kept available for immediate use. Fragmental FRR8 shall be provided to event organizers and kept available for immediate use. Fragmental FRR8 shall be provided to event organizers and kept available for immediate use. Fragmental FRR8 shall be provided as that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided day that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided as that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided day that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided as that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided as that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided as that in the event of any one liferaft being lost or rendered unserviceables. Shall be provided as that in t | 4.16 | | ** |
| The first name shall be on miscellaneous buoyant equipment, such as lifejackets, cushions, lifebuoys, lifedings, grab bags etc. ***Third grade retro-reflective material shall be fitted to lifebuoys, lifesings, liferafts and lifejackets. See OSRs 5.04, 5.08. ***PIRBS*** A 406 MHz EPIRBs shall be provided a) At least two 406 MHz EPIRBs shall be provided b) It is recommended that a 406 MHz EPIRBs should include an internal GPS, and also a 125.5MHz transmitter for local homing. C Every 406 MHz EPIRBs shall be provided yet gestered with the appropriate authority. Q EPIRBs should be restered in accordance with inanufacturers instructions when first commissioned and then at least annually. Q International to the provision of a locator device (e.g. an Anges's beacco) operating on non-SAR frequencies, to ad satings if a justin is abandoned. In observation of a locator device (e.g. an Anges's beacco) operating on non-SAR frequencies, to ad satings if a justin is abandoned to device (e.g. an Anges's beacco) operating on non-SAR frequencies, to ad satings if a justin is abandoned to device (e.g. an Anges's beacco) operating on non-SAR frequencies, to ad satings if a justin is abandoned to device (e.g. an Anges's beacco) operating on non-SAR frequencies, to ad satings if a justin is abandoned to device (e.g. an Anges's beacco) operating on non-SAR frequencies, to add satings if a justin is abandoned to device expension of a locator device (e.g. an Anges's beacco) operating on non-SAR frequencies, to add satings if a justin is abandoned to locator device (e.g. an Anges's beacco) operating on non-SAR frequencies, and the provided control of the provided of the | | | |
| Author grade retro-reflective material Marine grade retro-reflective material shall be fitted to lifebuoys, lifealings, lifeafts and lifepackets. See OSR 5.04, 5.08. FPIRBs All least two 406 MHz EPIRBs shall be provided a) At least two 406 MHz EPIRBs shall be provided b) its is ecommended that a 406 MHz EPIRBs shall be properly registered with the appropriate authority. c) EVERY 406 MHz EPIRBs shall be properly registered with the appropriate authority. c) EVERY 406 MHz EPIRBs shall be properly registered with the appropriate authority. c) EVERY 406 MHz EPIRBs shall be properly registered with the appropriate authority. c) EVERY 406 MHz EPIRBs shall be properly registered with the appropriate authority. c) EVERY 406 MHz EPIRBs are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz are no longer accommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 12154MHz | 4.17 | | ++ |
| Martine grade retro-reflective material shall be fitted to lifebuoys, lifesitings, liferafts and lifejackets. See OSRs 5.04, 5.08. *** *** *** *** *** *** *** | 4.18 | | |
| 4.90 A 40 MHz EPIRBs shall be provided a) A 14 least two 406 MHz EPIRBs shall be provided b) It is recommended that a 406 MHz EPIRBs shall be provided c) Every 406 MHz EPIRBs shall be provided include an internal GPS, and also a 1215MHz transmitter for local homing. c) Every 406 MHz EPIRBs shall be provider with the appropriate authority. d) EPIRBs should be rested in accordance with manufacturer's instructions when first commissioned and then at least annually. e) A list of registration numbers of 406 EPIRBs should be notified to event organizers and kept available for immediate use. f) Consideration should be given to the provision of a locator device (e.g. an Pigos' beacon) operating on non-SAR frequencies, to ald salvage if a yacht is abandoned. g) Beacons with only 125MHz are no longer recommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 7215MHz will continue to be used for local homing by on-board D-F systems and for local homing by SAR units. Type **C EPIRBs are no longer supported and should be replaced immediately. h) See OSR 3,79(e) for on-board D-F and OSR 5,07(b) for personal EPIRBs (PLBs) Liferafts Liferaft (SBBs are no longer supported and should be replaced immediately. h) See OSR 3,79(e) for on-board D-F and OSR 5,07(b) for personal EPIRBs (PLBs) Liferafts Liferaft (SBBs are no longer apported and should be replaced immediately. h) See OSR 3,79(e) with CSR 540 code 1997 Chapter (or lord events) except that they are acceptable with a capacity of a persons and may be packed in a valise. A SOLAS iffering thall comply with SCAS LSA code 1997 Chapter (or lord events) except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS iffering thall comply with either: a) OSR 4201 (b) (SOLAS), or c) OSR Appendix A part II (SAF) when, unless otherwise specified by a race organizer, the floor shall include thermal involution, or d) Interacting the liferaft (sa deligency of a carrying the whole to the wise of the control of a shall be ac | | Marine grade retro-reflective material shall be fitted to lifebuoys, lifeslings, liferafts and lifejackets. See OSRs 5.04, 5.08. | ** |
| a) At least two 406 MHz EPIRBs shall be provided b) It's recommended that at 406 AHF EPIRBs should include an internal GPS, and also a 12/5MHz transmitter for local horning c) Every 406 MHz EPIRBs shall be properly registered with the appropriate authority d) EPIRBs should be tested an accordance with manufacturer's instructions when first commissioned and then at least annually. e) A list of registration numbers of 406 EPIRBs should be notified to event organizers and kept available for immediate use. f) Consideration should be given to the provision of a locator device (e.g. an Nagos' beacon) operating on non - SAR frequencies, to all shape if a year bath is abandoned. g) Beacons with only 12/5MHz are no longer recommended for clistress alerting. Satellite processing of 12/5 MHz is being phased out. 12/5MHz with continue to be used for local horning by sate units. Type "E" EPIRBs are no longer supported and should be replaced immediately. h) See CSR 3/29(e) for on-board D-7 and CSR 5/27(b) for personal EPIRBs (PLBs) h) See CSR 3/29(e) for on-board D-7 and CSR 5/27(b) for personal EPIRBs (PLBs) l) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a c) Liferaft Construction and Packed Equipment a) A sufficient number of liferafts shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board b) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a c) SOR 4,201(b) (SISCOLAS) or c) SOR Appendix Apart II (SRC) or d) SOR 4,201(b) (SISCOLAS) or d) Sor SOR 11 Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (2-4h) and d) Sor SOR 4,201(b) (SISCOLAS) or d) Sor SOR 4,201(b) (SISCOLAS) or d) Sor SOR 4,201 | | | MaN4:12 |
| b) It is recommended that a 406 MHz EPIRB should noclude an internal GPS, and also a 125MHz transmitter for local homing of EPIRB should be properly registered with the appropriate authority. d) EPIRBs should be tested in accordance with manufacturers instructions when first commissioned and then at least annually. e) A list of registration numbers of 406 EPIRBs should be notified to event organizers and kept available for immediate use. If Consideration should be given to the provision of a locator device (e.g. an "Argos" beacon") operating on non - SAR frequencies, to aid salvage if a yacht is abandoned. g) Beacons with only UZSMHz and to longer recommended for distress alerting. Satellite processing of D15 MHz is being phased out, IZSMHz will continue to be used for local homing by on-board D.F systems and for local homing by SAR units. Type "EPIRBs are no longer supported and should be replaced immediately. h) See OSR 329(e) for on-board D.F and OSR 5.07(b) for personal EPIRBs (PLBS) Liferaft Liferaft Shall be provided as obtain the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board d) b (Irerafts shall comply with SOLAS LSA code 1997 Chapter IV or later vession except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall comply with either—a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall comply with either—a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall comply with either—a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall comply with either—a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall comply with either—a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall comply with either—a capacity of the provided capable of carrying the whole crew when each liferaft shall comply with either—a capacity of the persons of the color of the capacit | 4.17.1 | | |
| d) EPRBs should be tested in accordance with manufacturer's instructions when first commissioned and then at least annually. e) A list of registration numbers of 406 EPRBs should be notified to event organizers and kept available for immediate use. For Consideration should be given to the provision of a locator device (e.g. an 'Argos' beacon') operating on non - SAR frequencies, to aid salvage if a yacht is abandoned. g) Beacons with only 12/SMHz and to longer recommended for distress alerting. Satellite processing of 1215 MHz is being phased out. IZISMHz will continue to be used for local homing by on-board D/F systems and for local homing by SAR units. Type "E-PRBs are no longer supported and should be replaced immediately." h) See OSR 329/le) for on-board D/F and OSR 5.07(b) for personal EPRBs (PLBs) Liferaft 4201 4202 Liferaft shall comply with SOLAS LSA code 1997 Chapter I/V or later version except that they are acceptable with a capacity of 4 persons and nay be packed in a valise. A SOLAS liferaft shall comply with either: a) SAR 201 (b) (SOLAS), or Or SOLAS SAR pendix A part II (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation. or or organized that shall contain at least a SOLAS SAR pack. Indicated the strength of the provided capacity for to January 2003, OSR Appendix A part II (ISAF) when unless otherwise specified by a race organizer, the floor shall include thermal insulation. or or organized that shall contain at least a Fack 2 (-24h) and III shall be a sampled that any high pressure hose shall not impede the boarding process, and III shall have a scepping-up means provided for any infiltable boarding ramp, and III shall be so arranged that any high pressure hose shall not impede the boarding process, and MoNull II shall be so arranged that any high pressure hose shall not impede the boarding process, and MoNull II shall be soon that a single ballast pocket its shall be accepted provided the liferaft other | | | MoMu0,1,2 |
| annually e) A list of registration numbers of 406 EPIRBs should be notified to event organizers and kept available for immediate use. f) Consideration should be given to the provision of a locator device (e.g. an "Argos" beacon) operating on non - SAR frequencies to aid salvage if a yearh is abandoned. g) Beacons with only 215.Whit zero no longer recommended for distress alerting. Satellite processing of 1215 MHz is being phased out. 1215.Whit zero have long to local homing by on-board DF systems and for local homing by SAR units. 17:pe "1" EPIRBs are no longer supported and should be replaced immediately. h) See OSR 3.29/lej for on-board DF and OSR 5.07/lbj for personal EPIRBs (PLBs) Liferafts 4.201 Liferafts Liferaft construction and Packed Equipment a) A sufficient number of liferafts shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board of the provided capable of carrying the whole crew when each liferaft shall comply with 50.45 SA cod B97 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a value. A SOLAS liferaft shall contain at least a SOLAS "X pack. Inferafts) shall be provided capable of carrying the whole crew when each liferaft shall comply with either- a) OSR 4.20 (b) (SOLAS), or b) for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (-24h) and i) shall have a semirigid boarding ramp, and i) shall be so arranged that any high-pressure hose shall not impede the boarding ramp, and i) shall be so arranged with a single ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable steer of Ballast pocket strength devised by the manufacturer and yl compliance with OSR 4.202 (d) i-iv shall be indicated on the liferaft certificate. Liferaft shall be either- a) packed in a | | | MoMu0,1,2 |
| e) A list of registration numbers of 406 EPIBBs should be notified to event organizers and kept available for immediate use. for Consideration should be given to the provision of a locator device (e.g. an "Angos" beacon) operating on non - SAR frequencies, to aid salvage if a yacht is abandoned. g) Beacons with only IZSMHz are no longer recommended for distress alerting. Statellite processing of IZIS MHz is being phased out. IZISMHz are no longer supported and should be replaced immediately. 4.20 Liferafts \$\frac{1}{2}\$ see OSR 3.29(e) for on-board Dr.F and OSR 5.07(b) for personal EPIBs (PLBs) Liferaft State of the provision of the provisi | | | MoMu0,1,2 |
| g) Beacons with only IZSMHz are no longer recommended for distress alerting. Satellite processing of IZIS MHz is being phased out. IZISMHz are no longer recommended for distress alerting. Satellite processing of IZIS MHz is being phased out. IZISMHz will continue to be used for local homing by on-board D/F systems and for local homing by SAR units. Type F: "FIPRBs are no longer supported and should be replaced immediately." 1. See OSR 3.29(le) for on-board D/F and OSR 5.07(lp) for personal EPIRBs (PLBs). 1. Liferafts 1. Liferaft construction and Packed Equipment 2. A sufficient number of liferafts shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient agreegate capacity remains for all persons on board 3. Liferaft shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of a Persons and may be packed in a valies. A SOLAS liferaft shall contain at least a SOLAS "Y pack. 4.20.2. Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either- 2. OSR APENDA A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or 2. OSR Appends. A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or 3. Sol 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (24th) and 3. Shall be a ranged that any high-pressure hose shall not impede the boarding process, and 3. Shall have a semi-rigid boarding ramp, and 3. Shall have a semi-rigid boarding ramp, and 3. Shall have a topping-up means provided for any inflatable boarding ramp, and 4. Vicompliance with ISO 9650 and meets a suitable test of ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and yocompliance with Shall be capable of being accepted | | | MoMu0,1,2 |
| g) Beacons with only 1215 MrHz are no longer recommended for distress alerting. Satellite processing of 1215 MrHz is being phased out. 1215 MrHz is being units. Type "E" EPRBs are no longer supported and should be replaced immediately. h) See OSR 3.29(e) for on-board D/F and OSR 5.07(b) for personal EPRBs (PLBs) Liferafts 4.20 Liferafts A sufficient number of liferaft shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board b) Liferaft(s) shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall contain at least a SOLAS "pack. Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with beither- a) OSR 4.201 (b) (SOLAS) or b) for liferafts manufactured prior to January 2003. OSR Appendix A part I (ORC), or c) OSR Appendix A part I (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (-24h) and ii) shall be so arranged that any high-pressure hose shall not impede the boarding process, and iii) shall have a semi-rigid boarding ramp, and ii) shall be consensible of the provided of the liferaft shall contain at least a Pack 2 (-24h) and MoNAU.2 iii) shall have a stopping up means provided for any inflatable boarding ramp, and ii) when the liferaft is designed with a single belast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket this shall be capable of the well-with a packed in a valise and stowed on the cockpit. or- b) packed in a transportable rigid container or canister and stowed on the working deck, | | | MoMu0,1,2 |
| units. Type: "E-IPIRBs are no longer supported and should be replaced immediately. h) See OSR 3.29(le) for on-board D/F and OSR 5.07(b) for personal EPIRBs (PLBs) 4.20.1 4.20.1 4.20.2 Liferaft Construction and Packed Equipment a) A sufficient number of liferaft shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board b) Liferafts shall comply with SOLAS ISA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall contain at least a SOLAS 'W pack. 4.20.2 Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either: a) OSR 4.20.1 (b) (SOLAS), or b) for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or c) OSR Appendix A part II ((JSAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (c24h) and i) shall be as orranged that any high-pressure hose shall not impede the boarding process, and ii) shall be a corranged that any high-pressure hose shall not impede the boarding process, and iii) shall be as orranged that any high-pressure hose shall not impede the boarding process, and iii) shall be so arranged that any high-pressure hose shall not impede the boarding process, and iii) shall be so arranged that any high-pressure hose shall not impede the boarding process, and iii) shall be so arranged that a misgle ballast pocket this shall be accepted provided the liferaft otherwise complies with 150 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and v) compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft shall be either: a) packed in a transportable rigid container or canister or in a valise and stowed in a purpose-built rigid | | g) Beacons with only 121.5MHz are no longer recommended for distress alerting. Satellite processing of 121.5 MHz is being | MoMu0,1,2 |
| 4.20.1 Liferafts 4.20.1 Liferaft Construction and Packed Equipment a) A sufficient number of liferafts shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board b) Liferaft shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valies. A SOLAS liferaft shall contain at least a SOLAS 'X' pack. Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either. a) OSR 4.201 (b) (SOLAS), or b) for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or c) OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9600 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (24th) and i) shall have a semi-rigid boarding ramp, and ii) shall be so arranged that any high-pressure hose shall not impede the boarding process, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stripts, devised by the manufacturer and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stripts, devised by the manufacturer and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stripts, devised by the manufacturer and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stript, devised by the manufacturer and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stript, devised by the manufacturer and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stript, devised by the manufacturer and v) compliance with ISO 9650 and meets a suitable test of ballast pocket stript, devised by the manufacturer and v) compliance with OSR 420.2 (d) i-iv shall be indicated on the liferaft certificate | | | |
| 4.20.1 Liferaft Construction and Packed Equipment a) A sufficient number of liferafts shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board b) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valies. A SOLAS liferaft shall contain at least a SOLAS 'X' pack. Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either- a) OSR 4.20.1 (b) (SOLAS), or MoMul.2 c) OSR Appendix A part I I (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (•24h) and i) shall be so arranged that any high-pressure hose shall not impede the boarding process, and ii) shall be so arranged that any high-pressure hose shall not impede the boarding process, and ii) shall have a topping-up means provided for any inflatable boarding ramp, and li) when the liferaft is designed with a single ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and y) compliance with OSR 4.20.2 (d) i-i whall be indicated on the liferaft certificate. 4.20.3 Liferaft Packing and Stowage A Liferaft shall compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit ovolume except when entirely above working deck level or when draining independently overboard from a transom stowage - see OSR 3.09) and ii) the cover of each compartment is capable of being gost to the liferaft to be removed and launched quickly and easily, origin a yacht with age or series date before lune 2001. a liferaft may be packed in a valies not exceeding 40kg securely stowed below deck adjacent to a companionway. 1) Lifera | | | MoMu0 |
| a) A sufficient number of liferafts shall be provided so that in the event of any one liferaft being lost or rendered unserviceable, sufficient aggregate capacity remains for all persons on board b) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall contain at least a SOLAS 'Y ack. liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either: a) OSR 4.20.1 (b) (SOLAS). or b) for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or d) ISO 9650 Part I (Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and i) shall have a semi-rigid boarding ramp, and ii) shall have a semi-rigid boarding ramp, and iii) shall have a semi-rigid boarding ramp, and iii) shall have a semi-rigid boarding ramp, and v) compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. 1. Liferaft Packing and Stowage A Liferaft shall be either: a) packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or- b) packed in a transportable rigid container or canister or in a valise and stowed in a purpose-built rigid compartment containing liferaft(s) only and opening into or adjacent to the cockpit or working deck, or through a transom, provided that: i) each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working deck level or when draining independently overboard from a transom stowage - see OSR 3.09) and- ii) the cover of each compartment is capable of being easily opened under water pressure, and- iii) the compartment is designed and built to allow a liferaft to be removed and launched quickly and easily, or- ivjnin a yacht with age or series date before June 2001, a liferaft may be packed in a valise not exceeding 40kg securely stowed below | | | |
| unserviceable, sufficient aggregate capacitry remains for all persons on board b) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall contain at least a SOLAS "A pack. Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either: a) OSR A2pondix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (*24h) and i) shall have a semi-rigid boarding ramp, and ii) shall be a semi-rigid boarding ramp, and ii) shall be a so arranged that any high-pressure hose shall not impede the boarding process, and iii) shall be a topping-up means provided for any inflatable boarding ramp, and iii) when the liferaft is designed with a single ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and yo compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. 4.20.3 Liferaft Packing and Stowage A Liferaft shall be either: a) packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or- b) packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit or- containing liferaft(s) only and opening into or adjacent to the cockpit or working deck, or through a transom provided that: i) each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working deck level or when draining independently overboard from a transom stowage - see OSR 30.9 and- ii) the cover of each compartment is capable of being easily opened under water pressure, and- iii) the cover of each compartment is capable of | 4.20.1 | | 1401440 |
| b) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a capacity of 4 persons and may be packed in a valise. A SOLAS liferaft shall contain at least a SOLAS "X pack. 4.20.2 4.20.2 4.20.3 6.3 6.4 6.4 6.4 6.4 6.4 6.5 6.5 6.5 | | | MOMUO |
| 4.20.2 Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft shall comply with either: a) OSR 4,201 (b) (SOLAS), or b) for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or c) OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and ii) shall have a semi-rigid boarding ramp, and iii) shall be so arranged that any high-pressure hose shall not impede the boarding process, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iv) when the liferaft is designed with a single ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and v) compliance with OSR 4.20.2 (d) riv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either: a) packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or- b) packed in a transportable rigid container or canister or in a valise and stowed in a purpose-built rigid compartment containing liferaft(s) only and opening into or adjacent to the cockpit or working deck, or through a transom, provided that: i) each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working deck level or when draining independently overboard from a transom stowage - see OSR 3.09) and- ii) the compartment is designed and built to allow a liferaft to be removed and launched quickly and easily, or- iv) in a yacht with age or series date before June 2001, a liferaft may be packed in a valise not exceeding 40kg securely stowed below deck adjacent to a companionway. y) Liferaft serving and Inspection Liferaft serving and Inspection IMPORTANT NOTICE R | | b) Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version except that they are acceptable with a | MoMu0 |
| a) OSR 420.1 (b) (SOLAS), or b) for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or c) OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (*24h) and ii) shall have a semi-rigid boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iv) when the liferaft is designed with a single ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and v) compliance with OSR 4.20.2 (d) Fiv shall be indicated on the liferaft certificate. 4.20.3 Liferaft Packing and Stowage A Liferaft Packing and Stowage A Liferaft shall be either: a) packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or: b) packed in a transportable rigid container or canister or in a valise and stowed in a purpose-built rigid compartment containing liferaft(s) only and opening into or adjacent to the cockpit or working deck, or through a transom, provided that: i) each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working deck level or when draining independently overboard from a transom stowage - see OSR 3.09) and- ii) the cover of each compartment is capable of being easily opened under water pressure, and- iii) the compartment is designed and built to allow a liferaft to be removed and launched quickly and easily, or- iv) in a yacht with age or series date before June 2001, a liferaft may be readily removed and launched whether or not the yacht tis inverted. c) The end of each liferaft painter should be permanently made fast to a strong point on board the yacht. Lif | 4 20 2 | | MoMul 2 |
| c) OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and i) shall have a semi-rigid boarding ramp, and ii) shall have a topping-up means provided for any inflatable boarding process, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iv) when the liferaft is designed with a single ballast pocket this shall be accepted provided the liferaft otherwise complies with ISO 9650 and meets a suitable test of ballast pocket strength devised by the manufacturer and v) compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. 4.20.3 Liferaft Packing and Stowage A Liferaft Shall be either: a) packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or- b) packed in a transportable rigid container or canister or in a valise and stowed in a purpose-built rigid compartment containing liferaft(s) only and opening into or adjacent to the cockpit or working deck, or through a transom, provided that: i) each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working deck level or when draining independently overboard from a transom stowage - see OSR 3.09) and- ii) the cover of each compartment is capable of being easily opened under water pressure, and- iii) the cover of each compartment is capable of being easily opened under water pressure, and- iii) the cover of each compartment with a long a liferaft may be packed in a valise not exceeding 40kg securely stowed below deck adjacent to a companionway. v) Liferaft stowage on a multihull shall be such that each liferaft may be packed in a valise not exceeding 40kg securely stowed below deck adjacent to a companionway. v) Liferaft stanthing a) Each raft shall be capable of being got to the lifelines or lau | | | |
| insulation, or d) ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and i) shall have a semi-rigid boarding ramp, and ii) shall have a semi-rigid boarding ramp, and ii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) shall have a topping-up means provided for any inflatable boarding ramp, and iii) the Oscillation of Session of S | | | |
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| | that every valise-packed liferaft shall have an annual certificate of servicing. A liferaft should be taken for servicing if there | |
|--------|---|---|
| | is any sign of damage or deterioration (including on the underside of the pack). Persons in charge should insist on great care | |
| | in handling liferafts and apply the rules NO STEP and DO NOT DROP UNLESS LAUNCHING INTO THE SEA. | |
| | a) Certificates or copies, of servicing and/or inspection shall be kept on board the yacht. Every SOLAS liferaft and every | MoMu0,1,2 |
| | valise-packed liferaft shall have a valid annual certificate of new or serviced status from the manufacturer or his | |
| | approved service station. | NA=NA012 |
| | b) A liferaft built to OSR Appendix A part I ("ORC") packed in a rigid container or canister shall either be serviced annually | MoMu0,1,2 |
| | or may, when the manufacturer so specifies, be inspected annually (not necessarily unpacked) provided the yacht has | |
| | on board written confirmation from the manufacturer's approved service station stating that the inspection was satisfactory. | |
| | c) A liferaft built to OSR Appendix A part II ("ISAF") packed in a rigid container or canister shall either be serviced annually | MoMu1,2 |
| | or may, when the manufacturer so specifies, have its first service no longer than 3 years after commissioning and its | MOMui,2 |
| | second service no longer than 2 years after the first. Subsequent services shall be at intervals of not more than 12 | |
| | months. | |
| | d) Liferaft servicing certificates shall state the specification that the liferaft was built to. See OSR 4.20.2 | MoMu1,2 |
| 4.21 | Grab Bags | 141014101,2 |
| 4.21.1 | Grab Bag or Emergency Container for Multihulls Without Liferafts | |
| | a) A multihull without a liferaft shall have, readily accessible whether or not the yacht is inverted, either a watertight | Mu3,4 |
| | compartment or a grab bag with the following minimum contents. A grab bag shall have inherent flotation, at least 0.1 | 17103, 1 |
| | square metre area of fluorescent orange colour on the outside, shall be marked with the name of the yacht, and shall | |
| | have a lanyard and clip. | |
| | b) Note: it is not intended to duplicate in a grab bag etc. items required by other OSRs to be on board the yacht - this | Mu3,4 |
| | regulation covers only the stowage of those items | , |
| | c) a watertight hand-held marine VHF transceiver plus a spare set of batteries | Mu3,4 |
| | d) a watertight flashlight with spare batteries and bulb | Mu3,4 |
| | e) 2 red parachute and 3 red hand flares | Mu3,4 |
| | f) a watertight strobe light with spare batteries | Mu3,4 |
| | g) a knife | Mu3,4 |
| 4.21.2 | Grab Bags to Accompany Liferafts | |
| | a) A yacht is recommended to have for each liferaft, a grab bag with the following minimum contents. A grab bag should | MoMu0,1,2 |
| | have inherent flotation, at least 0.1 square metre area of fluorescent orange colour on the outside, should be marked | |
| | with the name of the yacht, and should have a lanyard and clip. | |
| | b) Note: it is not intended to duplicate in a grab bag items required by other OSRs to be on board the yacht - these | MoMu0,1,2 |
| | recommendations cover only the stowage of those items | |
| | c) The RORC recommends that consideration be taken when stowing a Grab Bag to its accessibility in the event of a full | Mo0,1,2 |
| | inversion | |
| 4.21.3 | Grab Bag Recommended Contents | |
| | | |
| | a) 2 red parachute and 2 red hand flares and cyalume-type chemical light sticks (red flares compliant with SOLAS) | MoMu1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a | MoMu1,2 MoMu1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht | MoMu1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht | MoMul,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht | MoMul,2 MoMul,2 MoMul,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags | MoMul,2 MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000kl) per person recommended for Cat Zero) | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000kl) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.191) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries r) strobe light | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries r) strobe light s) medical supplies including any for pre-existing medical conditions of any crew member | MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,0 MoMu0,1,0 MoMu0,1,0 MoMu0,1,0 MoMu0,1,0 MoMu0,1,0 MoMu0,1,0 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and ×30m line diameter ×9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000kJ per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries r) strobe light s) medical supplies including any for pre-existing medical conditions of any crew member t) spare unbreakable spectacles for any crew members needing them | MoMul,2 MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 |
| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries r) strobe light s) medical supplies including any for pre-existing medical conditions of any crew member t) spare unbreakable spectacles for any crew members needing them u) wet notebook with captive pencil | MoMul,2 MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 MoMu0 |
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| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht c) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/121.5MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and +30m line diameter +9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) watertight hand-held aviation VHF transceiver (if race area warrants) p) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries r) strobe light s) medical supplies including any for pre-existing medical conditions of any crew member t) spare unbreakable spectacles for any crew members needing them u) wet notebook with captive pencil v) powerful whistle (operated by mouth) v) for ed SOLAS compliant parachute flares, 3 white parachute flares, 2 orange SOLAS compliant smoke flares, cyalume-type light sticks | MoMul,2 MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,0 MoMu0 |
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| | b) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) in at least one of the grab bags carried by a yacht C) SART (Search and Rescue Transponder) in at least one of the grab bags carried by a yacht d) a combined 406MHz/1215MHz or type "E" EPIRB (see OSR 4.19.1) in at least one of the grab bags carried by a yacht e) water in re-sealable containers or a hand-operated desalinator plus containers for water f) a watertight hand-held marine VHF transceiver plus a spare set of batteries g) a watertight flashlight with spare batteries and bulb h) dry suits or thermal protective aids or survival bags i) second sea anchor for the liferaft (not required if the liferaft has already a spare sea anchor in its pack) (recommended standard ISO 17339) with swivel and >30m line diameter >9.5 mm j) two safety tin openers (if appropriate) k) first-aid kit including at least 2 tubes of sunscreen. All dressings should be capable of being effectively used in wet conditions. The first-aid kit should be clearly marked and re-sealable. l) signalling mirror m) high-energy food (min 10 000k) per person recommended for Cat Zero) n) nylon string, polythene bags, seasickness tablets (min 6 per person recommended) o) water in re-sealable containers and a hand-operated desalinator q) hand-held satellite telephone with waterproof cover and internal batteries r) strobe light s) medical supplies including any for pre-existing medical conditions of any crew member t) spare unbreakable spectacles for any crew members needing them u) wet notebook with captive pencil v) powerful whistle (operated by mouth) w) 6 red SOLAS compliant parachute flares, 3 white parachute flares, 2 orange SOLAS compliant smoke flares, cyalume-type light sticks x) a watertight, high-powered torch (flashlight) with spare batteries and bulbs y) watertight hand-held EPFS (Electronic Position-Fixing System) (e.g. GPS) | MoMul,2 MoMul,2 MoMul,2 MoMul,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,0 MoMu0 |
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4.21.4 Swimmer of the Watch Bag a) It is recommended to keep a bag, stored ready for immediate use within reach of the main companionway hatch, to MoMu0 facilitate the recovery of a man overboard by a swimmer of the watch and containingb) 50 metres of buoyant 8mm rope MoMu0 MoMu0 c) a pair of swim fins d) a semi-automatic life jacket ΜοΜμΩ e) suitable clothing to effect a man overboard recovery in cold water MoMu0 4.22 Lifebuovs 4.221 The following shall be provided within reach of the helmsman and ready for instant use: a) a lifebuoy with a self-igniting light and a drogue or a Lifesling with a self-igniting light and without a drogue. b) In addition to a) above, one lifebuoy within reach of the helmsman and ready for instant use, equipped with: MoMu0.1.2 i a whistle, a drogue, a self-igniting light and MoMu0,1,2 MoMu0,1,2 ii a pole and flag. The pole shall be either permanently extended or be capable of being fully automatically extended (not extendable by hand) in less than 20 seconds. It shall be attached to the lifebuoy with 3 m (10 ft) of floating line and is to be of a length and so ballasted that the flag will fly at least 1.8 m (6 ft) off the water iii Each lifebuoy shall be equipped with a sachet of fluoresceine dye MoMu0 4.22.2 When at least two lifebuoys (and/or Lifeslings) are carried, at least one of them shall depend entirely on permanent MoMu0,1,2 (e.g. foam) buoyancy. 4.22.3 Each inflatable lifebuoy and any automatic device (e.g. pole and flag extended by compressed gas) shall be tested and serviced at intervals in accordance with its manufacturer's instructions. 4.22.4 Each lifebuoy or lifesling shall be fitted with marine grade retro-reflective material (4.18). 4.23 **Pyrotechnic and Light Signals** 4.23.1 Pyrotechnic signals shall be provided conforming to SOLAS LSA Code Chapter III Visual Signals and not older than the stamped expiry date (if any) or if no expiry date stamped, not older than 4 years. TABLE 13 red parachute flares red hand flares white hand flares buoyant orange smoke race category LSA III 3.1 LSA III 3.2 LSA III 3.3 3 minute duration MoMu0,1 4 MoMu2,3 4 4 2 Mo4 *Specifications of white flares (except colour and candela rating) should comply with the LSA Code Chapter III 3.3 Pyrotechnic Signals carried by Service Yachts in RORC races may comply with Service requirements instead of those detailed in Table 13. 4.23.2 The following lights shall be provided and readily available for the purpose of collision avoidance: a) a watertight white torch (flashlight) with spare batteries and bulb b) a watertight, high-powered white spotlight (searchlight) with spare batteries and bulbs 4.24 a) a heaving line shall be provided 15 m - 25 m (50 ft - 75 ft) length readily accessible to cockpit. b) the "throwing sock" type is recommended - see Appendix D The RORC recommends that yachts should carry a lifting strop to clip to a halyard, to aid MOB recovery from the water back onto the deck. The lifting strop or 'helicopter strop' should fit under the arms and have a toggle to help keep the casualty from slipping out when lifted. A second strop is advised to fit under the knees to lift the casualty horizontally when dealing with well developed hypothermia. 4.25 A strong, sharp knife, sheathed and securely restrained shall be provided readily accessible from the deck or a cockpit. 4.26 Storm & Heavy Weather Sails 4.26.1 Design a) it is strongly recommended that persons in charge consult their designer and sailmaker to decide the most effective size for storm and heavy weather sails. The purpose of these sails is to provide safe propulsion for the yacht in severe weather -they are not intended as part of the racing inventory. The areas below are maxima. Smaller areas are likely to suit some yachts according to their stability and other characteristics. 4.26.2 **High Visibility** a) it is strongly recommended that every storm sail should either be of highly-visible coloured material (e.g. dayglo pink, orange or yellow) or have a highly-visible coloured patch added on each side; and also that a rotating wing mast used in lieu of a trysail should have a highly-visible coloured patch on each side 4.26.3 **Materials** a) aromatic polyamides, carbon and similar fibres shall not be used in a trysail or storm jib but spectra/dyneema and similar materials are permitted. b) it is strongly recommended that a heavy-weather jib does not contain aromatic polyamides, carbon and similar fibres other than spectra/dyneema. 4.26.4 The following shall be provided:a) sheeting positions on deck for each storm and heavy-weather sail; b) for each storm or heavy-weather jib, a means to attach the luff to the stay, independent of any luff-groove device. A heavy weather jib shall have the means of attachment readily available. A storm jib shall have the means of attachment permanently attached; c) a storm trysail which shall be capable of being sheeted independently of the boom with area not greater than 17.5% MoMu 0,1,2 mainsail luff length x mainsail foot length. The storm trysail shall have neither headboard nor battens, however a storm trysail is not required in a yacht with a rotating wing mast which can adequately substitute for a trysaill; d) if a storm trysail is required by either OSR 4.26.4 (c) or OSR 4.26.4 (g) the yacht's sail number and letter(s) shall be placed

on both sides of the trysail (or on a rotating wing mast as substitute for a trysail) in as large a size as practicable;

| | e) a storm jib of area not greater than 5% height of the foretriangle squared, with luff maximum length 65% height of | MoMu0,1,2 |
|--------------------------|---|--|
| | the foretriangle; | |
| | f) a heavy-weather jib (or heavy-weather sail in a yacht with no forestay) of area not greater than 13.5% height of the | ** |
| | foretriangle squared and without reef points; g) either a storm trysail as defined in OSR 4.26.4(c), or mainsail reefing to reduce the luff by at least 40%. | MoMu3,4 |
| | h) in the case of a yacht with an in-mast furling mainsail, the storm trysail must be capable of being set while the mainsail | MoMu0,1,2 |
| | is furled. | ** |
| | i) It is strongly recommended that the heavy-weather jib does not contain aromatic polyamides, carbon fibres and other high modulus fibres. | |
| | j) A trysail track should allow for the trysail to be hoisted quickly when the mainsail is lowered whether or not the | MoMu0,1,2 |
| 4.27 | mainsail is stowed on the main boom. Drogue, Sea Anchor | |
| 4.27 4.27.1 | A drogue for deployment over the stern, or alternatively a sea anchor or parachute anchor for deployment over the bow, | MoMu1 |
| | complete with all gear needed to rig and deploy the sea anchor or drogue, is strongly recommended to withstand long | |
| 4.27.2 | periods in rough conditions (see Appendix F). A drogue for deployment over the stern, or alternatively a sea anchor or parachute anchor for deployment at the bow, | MoMu0 |
| 4.27.2 | shall be provided complete with all gear needed to rig and deploy the sea anchor or drogue to withstand long periods in | MOMUO |
| | rough conditions (see OSR Appendix F) | |
| 4.28 4.28.1 | Man Overboard Alarm Fach vacht shall be equipped with a man everboard alarm including an emergency button immediately accessible to a | MoMu0 |
| 4.20.1 | Each yacht shall be equipped with a man overboard alarm including an emergency button immediately accessible to a helmsman which will sound an audible alarm in the accommodation and simultaneously send an appropriate signal to the | MOMUO |
| | ship's navigational software | |
| 4.28.2 | A yacht is recommended to be equipped with an EPFS (e.g. GPS) capable of immediately recording a man overboard position from each helm station | MoMu 1, 2 |
| 4.28.3 | A yacht shall be equipped with an EPFS (e.g. GPS) capable of immediately recording a man overboard position from each | MoMu 1, 2 |
| | helm station (From January 2012) | |
| 4.29 4.29.1 | Deck Bags OSR 4.29 shall apply only when RRS 51 moveable ballast is changed in the Notice of Race, Sailing Instructions or Class Rules | Mo0 |
| 4.27.1 | to permit deck bags | 1000 |
| | a) A deck bag or bags may be provided for the stowage of sails on deck | Mo0 |
| | b) A deck bag shall be:- i) so constructed to ensure rapid draining of water | Mo0 Mo0 |
| | ii) securely fastened in such a way that the integrity of deck fittings e.g. stanchions and lifelines, is not compromised | Mo0 |
| SECTI | ON 5 - PERSONAL EQUIPMENT | |
| 5.01 | Lifejacket | |
| 5.01.1 | Each crew member shall have a lifejacket as follows:- a) In accordance with ISO 12402 – 3 (Level 150) or equivalent, ISO 12402 requires Level 150 lifejackets to be fitted with a | ** |
| | mandatory whistle and retro-reflective material. Also, when fitted with a safety harness, ISO 12402 requires that this | |
| | shall be the full safety harness in accordance with ISO 12401. Any equivalent lifejacket shall have equal requirements. Note: persons of larger than average build are generally more buoyant than those of average build and so do not | |
| | require a lifejacket with greater levels of flotation. Wearing a Level 275 lifejacket may hamper entry into liferafts. | |
| | b) fitted with either crotch strap(s) / thigh straps or full safety harness in accordance with ISO 12401, Crotch straps or thigh straps together with related fittings and fixtures should be strong enough to lift the wearer | ** |
| | from the water. | |
| | c) Fitted with a lifejacket light in accordance with SOLAS LSA code 2.2.3 (white, >0.75 candelas, >8 hours), d) if inflatable have a compressed gas inflation system, | ** |
| | e) if inflatable, regularly test for gas retention, | ** |
| | | ** |
| | f) Compatible with the wearer's safety harness, | |
| | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, | ** ** ** MoMu0 |
| | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 - 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), | ** ** ** |
| | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, | ** ** MoMu0 MoMu0 MoMu1,2,3,4 |
| | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), | ** ** ** MoMu0 MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 |
| 5.01.2 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 - 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 - 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. | ** ** ** MoMu0 MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 |
| 5.01.2 5.01.3 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 - 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 - 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total | ** ** MoMu0 MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 |
| | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 MoMu0 MoMu0 |
| 5.01.3 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. | ** ** ** MoMu0 MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 |
| 5.01.3 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 |
| 5.01.3 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| 5.01.3 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck c) when reefed d) when the true wind speed is 25 knots or above | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| 5.01.4 5.01.5 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck c) when reefed d) when the true wind speed is 25 knots or above e) when the visibility is less than 1 nautical mile | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| 5.01.3 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck c) when reefed d) when the true wind speed is 25 knots or above e) when the visibility is less than 1 nautical mile Safety Harness and Safety Lines (Tethers) | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| 5.01.4 5.01.5 5.02 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck c) when reefed d) when the true wind speed is 25 knots or above e) when the visibility is less than 1 nautical mile Safety Harness and Safety Lines (Tethers) Each crew member shall have a harness and safety line that complies with ISO 12401 or equivalent with a safety line not more than 2m in length. Harnesses and safety lines manufactured prior to Jan 2010 shall comply with either ISO 12401 | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| 5.01.4 5.01.5 5.02 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head. For every gas inflatable lifejacket a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck c) when reefed d) when the true wind speed is 25 knots or above e) when the visibility is less than 1 nautical mile Safety Harness and Safety Lines (Tethers) Each crew member shall have a harness and safety line that complies with ISO 12401 or equivalent with a safety line not more than 2m in length. Harnesses and safety lines manufactured prior to Jan 2010 shall comply with either ISO 12401 or EN1095. Harnesses and safety lines manufactured prior to pan 2001 are not permitted. | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| 5.01.4 5.01.5 5.02 | f) Compatible with the wearer's safety harness, g) Clearly marked with the yacht's or wearer's name, h) Fitted with a splashguard / sprayhood in accordance with ISO 12402 – 8, i) Fitted with a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), It is strongly recommended that a lifejacket has: j) A splashguard / sprayhood See ISO 12402 – 8, k) a PLB unit (as with other types of EPIRB, should be properly registered with the appropriate authority), l) If of a gas inflatable type, a spare cylinder and if appropriate a spare activation head shall be carried. Each yacht shall carry a spare lifejacket or lifejackets as required in OSR 5.01.1 sufficient for at least 10% of the total number of persons on board (minimum 1 spare lifejacket). At least one of the required spare lifejacket(s) shall be a semi – automatic for use in man overboard recovery. The person in charge shall personally check each lifejacket at least once annually. A harness and lifejacket shall be worn when on deck: a) between the hours of sunset and sunrise b) when alone on deck c) when reefed d) when the true wind speed is 25 knots or above e) when the visibility is less than 1 nautical mile Safety Harness and Safety Lines (Tethers) Each crew member shall have a harness and safety line that complies with ISO 12401 or equivalent with a safety line not more than 2m in length. Harnesses and safety lines manufactured prior to Jan 2010 shall comply with either ISO 12401 | ** ** MoMu0 MoMu1,2,3,4 MoMu1,2,3,4 MoMu1,2,3,4 MoMu0 ** MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |

| 5.02.2 | At least 30% of the crew shall each, in addition to the above be provided with either:- | |
|--------------------|--|------------------------|
| | a) a safety line not more than 1m long, or | MoMu0,1,2,3 |
| | b) a mid-point snaphook on a 2m safety line | MoMu0,1,2,3 |
| | c) Each yacht shall carry spare harness and safety line units as required in OSR 5.02.1 above sufficient for at least 10% of the total number of persons on board (minimum one unit). | Mo0 |
| 5.02.3 | A safety line purchased in January 2001 or later shall have a coloured flag embedded in the stitching, to indicate an overload. | MoMu0,1,2,3 |
| 3.02.3 | A line which has been overloaded shall be replaced as a matter of urgency. | 141014100,1,2,3 |
| 5.02.4 | A crew member's lifejacket and harness shall be compatible | MoMu0,1,2,3 |
| 5.02.5 | It is strongly recommended that:- | |
| | a) static safety lines should be securely fastened at work stations; | MoMu0,1,2,3 |
| | b) a harness should be fitted with a crotch strap or thigh straps. Crotch or thigh straps together with related fittings and | MoMu0,1,2,3 |
| | fixtures should be strong enough to lift the wearer from the water. | |
| | Note: Before the end of 03/10 ISAF will publish recommended minimum breaking strains which for equipment | |
| | purchased on or after 01/11 will be mandatory. Effective January 2011, a harness shall b e fitted with crotch or thigh straps. The RORC requires that | |
| | c) a harness shall be fitted with a crotch strap or thigh straps; | MoMu0,1,2,3 |
| | It is strongly recommended that: - | |
| | d) to draw attention to wear and damage, stitching on harness and safety lines should be of a colour contrasting strongly | MoMu0,1,2,3 |
| | with the surrounding material; | |
| | e) snaphooks should be of a type which will not self-release from a U-bolt (see OSR 5.02.1(a)) and which can be easily | MoMu0,1,2,3 |
| | released under load (crew members are reminded that a personal knife may free them from a safety line in emergency); | |
| 5.02.6 | f) a crew member before a race should adjust a harness to fit then retain that harness for the duration of the race. | MoMu0,1,2,3 |
| 5.02.6 | Warning - a safety harness is not designed to tow a person in the water and it is important that a harness is used to minimise or eliminate the risk of a person's torso becoming immersed in water outside the boat. The diligent use of a properly | ^^ |
| | adjusted safety harness is regarded as by far the most effective way of preventing man overboard incidents. | |
| 5.03 | Personal Location Lights | |
| | a) two packs of miniflares or two personal location lights (either SOLAS or strobe) shall be provided for each crew | MoMu0 |
| | member: one should be attached to, or carried on, the person when on deck at night. | |
| 5.04 | Foul Weather Suits | |
| | a) a foul weather suit with hood shall be supplied to each crew member. | MoMu0 |
| | b) it is recommended that a foul weather suit should be fitted with marine-grade retro-reflective material, and should have | ** |
| 5.05 | high-visibility colours on its upper parts and sleeve cuffsSee OSR 4.18 Knife | |
| 3.03 | A knife, one shall be supplied to each crew member to be worn on the person at all times | MoMu0 |
| 5.06 | Watertight flashlight | MOMIGO |
| 5.06.1 | A buoyant watertight flashlight, one shall be supplied to each crew member. | MoMu0 |
| 5.06.2 | RORC recommends that each crewmember carries in a pocket a combination torch/strobe light, not only are these devices | MoMu0,1,2,3 |
| | useful as a personal torch but they are also valuable in aiding location in a man overboard situation. | |
| 5.07 | Survival Equipment | |
| 5.07.1 | One set of Survival Equipment shall be supplied to each crew member to include:- | MoMu0 |
| | a) an immersion suit (attention is drawn to ISO 15027-1 constant wear suits, and ISO 15027-2 abandonment suits and the LSA Code Chapter II, 2,3); | MoMu0 |
| | b) a PLB (Personal Locator Beacon) equipped with 406MHz and 121.5Mhz; | MoMu0 |
| | c) a personal unit in addition to the PLB in OSR 4.07.1(b) if the location device carried by the yacht in accordance with OSR | MoMu0 |
| | 3.29.1(h) requires it; | |
| | d) Attention is drawn to the value of keeping on the person a combined 406MHz/121.5MHz PLB when on deck: this may | MoMu0,1,2 |
| | aid location in a man overboard incident independent of the equipment carried by the parent vessel | |
| F 072 | e) All PLB units, as with other types of EPIRB, should be properly registered with the appropriate authority | MoMu0,1,2 |
| 5.07.2 | It is strongly recommended that an immersion suit should be supplied to each crew member in a multihull in conditions where there is a potential for hypothermia | Mu1,2,3,4 |
| 5.08 | Diving Equipment | |
| 5.08.1 | A yacht shall carry at least two diving suits each to cover the entire body and including gloves, fins and portable air supplies. | MoMu0 |
| | · / | |
| SECTIO | ON 6 - TRAINING | |
| 6.01 | At least 30% but not fewer than two members of a crew, including the skipper shall have undertaken training within the | MoMu1,2 |
| 0.01 | five years before the start of the race in both 6.02 topics for theoretical sessions, and 6.03 topics which include | rviorviui,2 |
| | practical, hands-on sessions. | |
| 6.01.2 | Every member of a crew including the skipper shall have undertaken training as in OSR 6.01 | MoMu0 |
| 6.01.3 | It is strongly recommended that all crew members should undertake training as in OSR 6.01 at least once every five years | MoMu1,2 |
| 6.01.4 | Except as otherwise provided in the Notice of Race, an in-date certificate gained at an ISAF Approved Offshore Personal | MoMu0,1,2 |
| | Survival Training course shall be accepted by a race organizing authority as evidence of compliance with Special Regulation | |
| 6.03 | 6.01. See Appendix G - Model Training Course, for further details. | |
| 6.02 6.02.1 | Training Topics for Theoretical Sessions | Manual 2 |
| 6.02.1 | care and maintenance of safety equipment storm sails | MoMu0,1,2 MoMu0,1,2 |
| 6.02.3 | damage control and repair | MoMu0,1,2 |
| 6.02.4 | heavy weather - crew routines, boat handling, drogues | MoMu0,1,2 |
| 6.02.5 | man overboard prevention and recovery | MoMu0,1,2 |
| 6.02.6 | giving assistance to other craft | MoMu0,1,2 |
| | | |

| 6.02.7 | hypothermia | MoMu0,1,2 |
|----------|--|-----------|
| 6.02.8 | SAR organisation and methods | MoMu0,1,2 |
| 6.02.9 | weather forecasting | |
| 6.03 | Training Topics for Practical, Hands-On Sessions | |
| 6.03.1 | liferafts and lifejackets | MoMu0,1,2 |
| 6.03.2 | fire precautions and use of fire extinguishers | |
| 6.03.3 | communications equipment (VHF, GMDSS, satcomms, etc.) | |
| 6.03.4 | pyrotechnics and EPIRBs | |
| 6.04 | Routine Training On-Board | |
| 6.04.1 | It is recommended that crews should practice safety routines at reasonable intervals including the drill for man-overboard recovery | ** |
| 6.05 | Medical Training | |
| 6.05.1 | At least two members of the crew shall be able to apply simple strapping and plaster casts, undertake skin suturing, insert intravenous cannulae and give intravenous fluids, give both intra-muscular and intravenous injections and apply a temporary | MoMu0 |
| (05 2 | dental filling | |
| 6.05.2 | First Aid Training | |
| 6.05.2.1 | At least two members of the crew | MoMu1 |
| 6.05.2.2 | At least one member of the crew Shall hold a current Senior First Aid Certificate or equivalent and should be familiar with the management of medical emergencies that may occur at sea including Hypothermia, and radio communications operations for obtaining medical advice by radio. Each of these crew members shall also have undertaken the training required by OSR 6.01 | MoMu2 |
| 6.05.3 | At least one member of the crew shall be familiar with First Aid procedures, Hypothermia and relevant communication systems (see OSR 6.02.7, 6.03.3, 6.03.4) | ** |
| 6.06 | Diving Training | |
| 6.06.1 | At least 30% of the crew shall have received appropriate diving training to enable them to carry out basic repairs underwater and to provide assistance if necessary in recovery of a man overboard | MoMu0 |
| | | |

APPENDICES TO SPECIAL REGULATIONS

Available from the ISAF website: www.sailing.org/specialregulations.php

Appendix A - Minimum Specification for Yachtsmens Liferafts

Appendix B - A guide to ISO and other Standards

Appendix C - Standard Inspection Card

Appendix D - Quickstop & Lifesling

Appendix E - Hypothermia

Appendix F - Drogues and sea anchors Appendix G - Model Training Course

Appendix H - ISAF Code for the organisation of Oceanic Races

Appendix J - Category 5

Appendix K - Moveable and Variable Ballast

Appendix L - Category 6

Appendix M - Hull Construction Standards (Scantlings)

APPENDIX M HULL CONSTRUCTION STANDARDS (SCANTLINGS) for Monohulls pre-2010 and Multihulls

A monohull with Age or Series Date before the 1 January 2010 shall comply with OSR 3.03.1, 3.03.2 and 3.03.3 or with this M.1 appendix. A multihull shall comply with this appendix.

TABLE 2

| I/OLL Z | | | | | | |
|--------------------------|--------------------------------|---------------|--|--|--|--|
| LOA | earliest of age or series date | race category | | | | |
| all | January 1986 and after | MoMu0,1 | | | | |
| 12m (39.4 feet) and over | January 1987 and after | MoMu2 | | | | |
| under 12m (39.4 feet) | January 1988 and after | MoMu2 | | | | |

M.2 A yacht defined in the table above shall have been designed built, maintained, modified and repaired in accordance with the requirements of either:

a) the EC Recreational Craft Directive for Category A (having obtained the CE mark), or

b) the ABS Guide for Building and Classing Offshore Yachts in which case the yacht shall have on board either a certificate of plan approval issued by ABS, or written statements signed by the designer and builder which confirm that they have respectively designed and built the yacht in accordance with the ABS Guide,

c) ISO 12215 Category A, with written statements signed by the designer and builder which confirm that they have respectively designed and built the yacht in accordance with the ISO standard,

d) except that a race organizer or class rules may accept when that described in (a), (b), or (c) above is not available, the signed statement by a naval architect or other person familiar with the standards listed above that the yacht fulfills the requirements of (a), (b), or (c).

M.3 Any significant repairs or modifications to the hull, deck, coachroof, keel or appendages, on a yacht defined in table 2 shall be certified by one of the methods above and an appropriate written statement or statements shall be on board. MoMu0,1,2

MoMu0,1,2

MoMu0,1,2

MoMu0,1,2

MoMu0,1,2

MoMu0,1,2

MoMu0,1,2