ISAF OFFSHORE SPECIAL REGULATIONS

JANUARY 2014 - DECEMBER 2015 www.sailing.org/specialregs



Extract for Race Category 3 Monohulls + Liferaft

© ORC Ltd. 2002,

all amendments from 2003 © International Sailing Federation, (IOM) Ltd.

Version 1_2 - 2014

Because this is an extract not all paragraph numbers will be present

Copyright

When reprinting these regulations National Authorities and Race Organizers should :-

- request copyright permission from ISAF and ORC Ltd (normally given free of charge)
- display a copyright acknowledgement with the reprint (similar to © ORC Ltd. 2002, all amendments from 2003 © International sailing Federation, (IOM) Ltd.)
- make any amendments by deleting contrary provisions and indicating that changes have been made
- supply a copy of the reprint to each of ISAF and ORC Ltd

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

Language & Abbreviations Used

Mo - Monohull

Mu - Multihull

" ** " means the item applies to all types of yacht in all Categories except 5 for which see Appendix J or 6 for which see Appendix L.

RED TYPE indicates a significant changes in 2014

Guidance notes and recommendations are in italics

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

Administration

The Offshore Special Regulation are administered by the ISAF Special Regulation Sub-Committee whose terms of reference are as follows: (www.sailing.org/regulations)

ISAF Regulation 6.8.8.3 - The Special Regulations Sub-Committee shall:
(a) be responsible for the maintenance, revision and changes to the ISAF
Offshore Special Regulations governing offshore racing, under licence from ORC
Ltd. Such changes shall be biennial with revised editions published in January of
each even year, except that matters of an urgent nature affecting safety may be
dealt with by changes to the Regulations on a shorter time scale;

(b) monitor developments in offshore racing relative to the standards of safety and seaworthiness.

Any queries please E-Mail: technical@isaf.co.uk

SECTION 1 - FUNDAMENTAL AND DEFINITIONS

| | | | |
|-------------|----------------------|--|---------------|
| 1.01 | Purpose and Us | e | |
| 1.01.1 | It is the purpose of | of these Special Regulations to establish uniform minimum | ** |
| | equipment, accon | nmodation and training standards for monohull and multihull | |
| | • • | hore. A Proa is excluded from these regulations. | |
| 1 01 2 | - | _ | ** |
| 1.01.2 | | gulations do not replace, but rather supplement, the | -11- |
| | • | overnmental authority, the Racing Rules and the rules of Class | |
| | Associations and I | Rating Systems. The attention of persons in charge is called to | |
| | restrictions in the | Rules on the location and movement of equipment. | |
| 1.01.3 | | gulations, adopted internationally, are strongly recommended for | ** |
| 110113 | | ers of offshore races. Race Committees may select the category | |
| | , , | , , , | |
| | | able for the type of race to be sailed. | |
| 1.02 | | of Person in Charge | |
| 1.02.1 | The safety of a | yacht and her crew is the sole and inescapable | ** |
| | | f the person in charge who must do his best to ensure | |
| | | s fully found, thoroughly seaworthy and manned by an | |
| | | | |
| | | w who have undergone appropriate training and are | |
| | | face bad weather. He must be satisfied as to the | |
| | soundness of hu | ull, spars, rigging, sails and all gear. He must ensure that | |
| | all safety equip | ment is properly maintained and stowed and that the | |
| | | ere it is kept and how it is to be used. He shall also | |
| | | son to take over the responsibilities of the Person in | |
| | | | |
| | | vent of his incapacitation. | |
| 1.02.2 | Neither the establ | lishment of these Special Regulations, their use by race | ** |
| | organizers, nor th | e inspection of a yacht under these Special Regulations in any | |
| | • | ices the complete and unlimited responsibility of the person in | |
| | charge. | | |
| 1 02 2 | | The requestibility for a vestile decision to negligible | ** |
| 1.02.3 | | e -The responsibility for a yacht's decision to participate | 41.41 |
| | | ontinue racing is hers alone - RRS Fundamental Rule 4. | |
| 1.03 | Definitions, Abb | previations, Word Usage | |
| 1.03.1 | Definitions of Terr | ms used 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 w | <i>i</i> ater |
| | 3 | would run in the event that when the yacht is floating level th | |
| | | cockpit is flooded or filled to overflowing. | |
| | DCC | · · · · · · · · · · · · · · · · · · · | |
| | 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 transc | om |
| | 17t Station | meets the sheerline. | 0111 |
| | E 1347 11 | | |
| | Foul-Weather | A foul weather suit is clothing designed to keep the wearer dr | У |
| | Suit | 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 | he |
| | Hatti | • | i C |
| | | 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 organisation that oversees Inmarsat's performance of its Public Service Obligations for the GMDSS

and reports on these to IMO

ISAF International Sailing Federation.

ISO International Standard or International Organization for Standardization.

Lifeline Rope or 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.

ORC Offshore Racing Congress (formerly Offshore Racing Council)

OSR Offshore Special Regulation(s)

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

PLB Personal Locator Beacon Proa Asymmetric Catamaran RRS ISAF - Racing Rules of Sailing

SAR Search and Rescue

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

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

including a 180 degree capsize and allows for the item to be

removed and replaced during racing

Static 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 not be moved or

varied in weight while a boat is racing.

Static Safety Line A safety line (usually shorter than a safety line carried with a

harness) kept clipped on at a work-station

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.

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

**

permissive.

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

**

SECTION 2 - APPLICATION & GENERAL REQUIREMENTS

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, seven categories are established, to provide for differences in the minimum standards of safety and accommodation required for such varying circumstances: 2.01.4 Category 3 Races across open water, most of which is relatively protected or close to MoMu,3 shorelines. 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. **General Requirements** 2.03 All equipment required by Special Regulations shall:-2.03.1 function properly ** a) b) be regularly checked, cleaned and serviced ** when not in use be stowed in conditions in which deterioration is minimised ** c) d) be readily accessible ** ** be of a type, size and capacity suitable and adequate for the intended use and e) size of the yacht. 2.03.2 Heavy items: ballast, ballast tanks and associated equipment shall be permanently installed ** a) ** heavy movable items including e.g. batteries, stoves, gas bottles, tanks, b) toolboxes and anchors and chain shall be securely fastened heavy items for which fixing is not specified in Special Regulations shall be c) permanently installed or securely fastened, as appropriate ** 2.03.3 When to show navigation lights navigation lights (OSR 3.27) shall be shown as required by the International a) Regulations for Preventing Collision at Sea, (Part C and Technical Annex 1). All yachts shall exhibit sidelights and a sternlight at the required times.

SECTION 3 - STRUCTURAL FEATURES, STABILITY, FIXED EQUIPMENT

3.01 Strength of Build, Ballast and Rig 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 the standards set forth herein. Shrouds shall never be disconnected. 3.02 **Watertight Integrity of a Hull** 3.02.1 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 3.02.1. Moveable ballast systems shall be fitted with a manual control and actuation ** 3.02.4 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.

| | 3.03.5 | Regular inspection of the keel and keel/hull attachment structure are strongly recommended | Mo0,1,2,3,4 |
|---|---------------|--|--------------------|
| ı | 3.04 | Stability - Monohulls | Mo0,1,2,3,4 |
| _ | 3.04.2 | A yacht shall be designed and built to resist capsize. | Mo0,1,2,3,4 |
| | 3.04.3 | Yachts shall demonstrate compliance with ISO 12217-2*, either by EC | Mo0,1,2,3 |
| | | Recreational Craft Directive certification (having obtained the CE mark) or the | |
| | | designer's declaration, for the race categories as follows: | |
| | | * The latest effective version of ISO 12217-2 should be used unless the yacht | |
| _ | _ | was already designed to a previous version | |
| | 3.04.4 | For yachts which cannot demonstrate compliance in accordance with 3.04.3, a | Mo0,1,2,3 |
| | | yacht shall provide, as specified by the race organiser, either: | |
| | <i>3.04.6</i> | Use of the ISO or any other index does not guarantee total safety or total | <i>Mo0,1,2,3,4</i> |
| | | freedom of risk from capsize or sinking. | |
| | 3.04.7 | For boats with moveable or variable ballast the method in OSR 3.04.4 shall apply | Mo0,1,2,3,4 |
| | | plus the relevant additional requirement of OSR Appendix K. | |
| | 3.04.8 | Tanks for variable ballast shall be permanently installed and shall be provided | Mo0,1,2,3,4 |
| | | with a system of isolating valves and pump(s) capable of manual operation at any | |
| 1 | 0.040 | angle of heel. A plan of the plumbing system shall be displayed aboard the boat. | |
| | 3.04.9 | A boat fitted with moveable and/or variable ballast shall have a maximum static | Mo0,1,2,3,4 |
| | | heel angle in the condition of Light Craft Condition (see ISO 12217-2) with | |
| | | moveable ballast moved fully to one side and variable ballast in the condition that | |
| I | 2.06 | produces maximum angle of heel of not greater than 35 degrees. | M-0 1 2 2 4 |
| | 3.06 | Exits - Monohulls | Mo0,1,2,3,4 |
| | 3.06.1 | Yachts of LOA of 8.5 m (28 ft) and over with age or series date after January | Mo0,1,2,3,4 |
| | | 1995 and after shall have at least two exits. At least one exit shall be located | |
| | | forward of the foremost mast except where structural features prevent its | |
| | 2.06.2 | installation. | Ma0 1 2 2 4 |
| | 3.06.2 | Yachts first launched on or after January 2014 have a hatch with the following | Mo0,1,2,3,4 |
| | | minimum clear openings in compliance with ISO 9094: - Circular shape: diameter 450mm; | |
| | | Circular shape. diameter 450mm, | |

circle to be inscribed.

The measurement of the minimum clear opening is illustrated in Figure 1.

- Any other shape: minimum dimension of 380mm and minimum area of 0.18m2. The dimension must be large enough to allow for a 380mm diameter

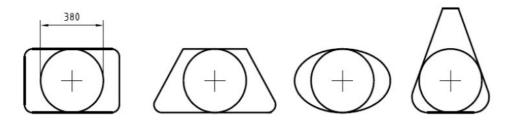


Figure 1 - Measurements of Minimum Clear Opening

3.06.3 when first launched prior to January 2014, if possible have each escape hatch in Mo0,1,2,3,4 compliance with the dimensions in OSR 3.07.2(a)(ii);

**

3.08 Hatches & Companionways

3.08.1 No hatch forward of the maximum beam station, other than a hatch in the side of a coachroof, shall open in such a way that the lid or cover moves into the open position towards the interior of the hull (excepting ports having an area of less than 0.071m2 (110 sq in)).

3.08.2 A hatch fitted forward of the maximum beam station, located on the side of the coachroof, opening into the interior of the boat ,and of area greater than 0.071m2 shall comply with ISO12216 design category A and be clearly labelled and used in accordance with the following instruction: "NOT TO BE OPENED AT

SEA" Attention is drawn to SR 3.02.1 3.08.3 A hatch shall be: so arranged as to be above the water when the hull is heeled 90 degrees. Mo0,1,2,3,4 a) Hatches over lockers that open to the interior of the vessel shall be included in this requirement. A yacht may have a maximum of four (two on each side of centerline) hatches that do not conform to this requirement, provided that the opening of each is less than 0.071 sq m (110 sq in). Effective for boats of a series begun after January 1, 2009, a written statement signed by the designer or other person who performed the downflooding analysis shall be carried on board. For purposes of this rule the vessel's displacement condition for the analysis shall be the Light Craft Condition LCC (in conformity with 6.3 of the EN ISO 8666 standard and 3.5.1 of the EN ISO12217-2 standard). permanently attached ** b) ** capable of being firmly shut immediately and remaining firmly shut in a 180 c) degree capsize (inversion) 3.08.4 A companionway hatch shall: be fitted with a strong securing arrangement which shall be operable from the ** a) exterior and interior including when the yacht is inverted b) have any blocking devices: ** capable of being retained in position with the hatch open or shut i ii whether or not in position in the hatchway, secured to the yacht (e.g. by lanyard) ** for the duration of the race, to prevent their being lost overboard permit exit in the event of inversion iii 3.08.5 If the companionway extends below the local sheerline and the boat has a cockpit Mo0,1,2,3,4 opening aft to the sea the boat shall comply with one of the following: the companionway sill shall not extend below the local sheerline. Or a) Mo0,1,2,3,4 be in full compliance with all aspects of ISO 11812 to design category A Mo0,1,2,3,4 b) 3.08.6 For boats with a cockpit closed aft to the sea where the companionway hatch Mo0,1,2,3,4 extends below the local sheerline, the companionway shall be capable of being blocked off up to the level of the local sheerline, provided that the companionway hatch shall continue to give access to the interior with the blocking devices (e.g. washboards) in place **Cockpits - Attention is Drawn to ISO 11812** 3.09 ** 3.09.1 Cockpits shall be structurally strong, self-draining quickly by gravity at all angles of heel and permanently incorporated as an integral part of the hull. 3.09.2 Cockpits must be essentially watertight, that is, all openings to the hull must be capable of being strongly and rigidly secured A bilge pump outlet pipe shall not be connected to a cockpit drain. See OSR 3.09.3 3.09.8 for cockpit drain minimum sizes A cockpit sole shall be at least 2% LWL above LWL (or in IMS yachts first ** 3.09.4 launched before 1/03, at least 2% L above LWL) A bow, lateral, central or stern well shall be considered a cockpit for the purposes 3.09.5 of OSR 3.09 3.09.6 In cockpits opening aft to the sea structural openings aft shall be not less in area ** than 50% maximum cockpit depth x maximum cockpit width. **Cockpit Volume** 3.09.7 earliest of age or series date before April 1992 i) the total volume of all cockpits below lowest coamings shall not exceed 9% (LWL Extract x maximum beam x freeboard abreast the cockpit). MoMu2,3,4 earliest of age or series date April 1992 and after ii) as above for the appropriate category except that "lowest coamings" shall not Extract ** 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 IMS-rated boats may instead of the terms LWL, maximum beam, freeboard Extract **

3.09.8 Cockpit Drains

See OSR 3.09.1. Cockpit drain cross section area (after allowance for screens if fitted) shall be:-

a) in yachts with earliest of age or series date before 1/72 or in any yacht under

abreast the cockpit, use the IMS terms L, B and FA.

**

| 8.5m (28ft) LOA - at least that of 2 x 25mm diameter (one inch) unobstructed openings or equivalent | |
|--|--|
| in yachts with earliest of age or series date 1/72 and later - at least that of 4 x 20mm diameter (3/4 inch) unobstructed openings or equivalent | ** |
| Sea Cocks or Valves | |
| Sea cocks or valves shall be permanently installed on all through-hull openings below the waterline except integral deck scuppers, speed indicators, depth finders and the like, however a means of closing such openings shall be provided. | ** |
| Sheet Winches | |
| Sheet winches shall be mounted in such a way that an operator is not required to be substantially below deck. | ** |
| Mast Step | |
| The heel of a keel stepped mast shall be securely fastened to the mast step or adjoining structure. | ** |
| , , | |
| | ** |
| When a deflecting force of 4 kg/f (39.2 N) is applied to a lifeline midway between supports of an upper or single lifeline, the lifeline shall not deflect more than 50mm. This measurement shall be taken at the widest span between supports | ** |
| | ** |
| an intermediate lifeline of all spans that are aft of the mast, deflection shall not | |
| The following shall be provided: | ** |
| | openings or equivalent in yachts with earliest of age or series date 1/72 and later - at least that of 4 x 20mm diameter (3/4 inch) unobstructed openings or equivalent Sea Cocks or Valves Sea cocks or valves shall be permanently installed on all through-hull openings below the waterline except integral deck scuppers, speed indicators, depth finders and the like, however a means of closing such openings shall be provided. Sheet Winches Sheet winches shall be mounted in such a way that an operator is not required to be substantially below deck. Mast Step The heel of a keel stepped mast shall be securely fastened to the mast step or adjoining structure. Pulpits, Stanchions, Lifelines Lifeline deflection shall not exceed the following: When a deflecting force of 4 kg/f (39.2 N) is applied to a lifeline midway between supports of an upper or single lifeline, the lifeline shall not deflect more than 50mm. This measurement shall be taken at the widest span between supports that are aft of the mast. When a deflecting force of 4 kg/f (39.2 N) is applied midway between supports of an intermediate lifeline of all spans that are aft of the mast, deflection shall not exceed 120mm from a straight line between the stanchions. |

Mo0,1,2,3,4

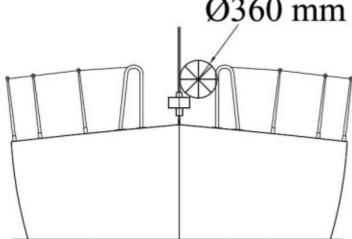


Figure 2 - Diagram Showing Pulpit Opening b) a stern pulpit, or lifelines arranged as an adequate substitute, with vertical Mo0,1,2,3,4 openings conforming to Table 7 lifelines (quardlines) supported on stanchions, which, with pulpits, shall form an c) effectively continuous barrier around a working 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. Openable upper rails in bow pulpits shall be secured shut whilst racing ** e) Pulpits and stanchions shall be permanently installed. When there are sockets or f) 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 throughbolted, bonded or welded.

The bases of pulpits and stanchions shall not be further inboard from the edge of g) 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 ** h) 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 baseplate 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 Lifelines need not be fixed to a bow pulpit if they terminate at, or pass through, ** j) 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 shall be permitted in the lifelines on each side of a yacht. Except at its end fittings, the movement of a lifeline in a fore-and-aft direction shall not be constrained. Temporary sleeving in 3.14.6 (c) shall not modify tension in the lifeline. 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

stanchions may be angled to not more than 10 degrees from vertical at any point

**

**

**

**

**

It is strongly recommended that designs also comply to ISO 15085 m)

above 50 mm (2 in) from the deck.

ii

Lifeline Height, Vertical Openings, Number of Lifelines 3.14.5

TABLE 7 LOA earliest of minimum requirements Category age/seriesdate ** before January single lifeline at a height of no less than 450 under 8.5 m(28 ft) 1992 mm (18 in) above the working deck. No vertical opening shall exceed 560 mm (22 in). ** as for under 8.5 m(28 ft) in table 7 above, under 8.5 January 1992 m(28 ft) and after except that when an intermediate lifeline is fitted no vertical opening shall exceed 380 mm (15 in). ** 8.5 m (28 before January double lifeline with upper lifeline at a height of ft) and no less than 600 mm (24 in) above the working 1993 deck. No vertical opening shall exceed 560 mm over (22 in)January 1993 as 8.5 m (28 ft) and over in Table 7 above, ** 8.5 m (28 ft)and and after except that no vertical opening shall exceed 380 mm (15 in). over ** all on yachts with intermediate lifelines the all intermediate line shall be not less than 230 mm (9 in) above the working deck.

Lifeline Minimum Diameters, Required Materials, Specifications 3.14.6 Lifelines shall be of: a)

- stranded stainless steel wire or - High Modulus Polyethylene (HMPE) (Dyneema®/Spectra® or equivalent)
- ** rope (Braid on braid is recommended)
- ** The minimum diameter is specified in table 8 below. b) **
- Stainless steel lifelines shall be uncoated and used without close-fitting sleeving, c) however, temporary sleeving may be fitted provided it is regularly removed for inspection.
- ** When stainless wire is used, Grade 316 is recommended. d)
- e) When HMPE (Dyneema®/Spectra®) is used, it shall be spliced in accordance **

| ') | | • | | n). This lanyard shall be repla | | |
|--------------|--------|--------------------|--|--------------------------------------|--------------------|-----------------|
| | | inimum. | .eeu 100 IIIII (+ II | i). This lariyard shall be repla | aceu aririualiy | |
| a) | | | orage points fixt | cures and lanyards shall comp | vrice a lifeline | ** |
| g) | | | | ts at least the breaking stren | | |
| | | ed lifeline wire. | cii iias at ali polii | is at least the breaking stren | gui oi uie | |
| | • | 8 - Minimum [|)iameters | | | ** |
| | LOA | . O - Millimulli L | wire | HMPE rope (Single braid) | HMPE Core (B | raid on braid) |
| | - | r 8.5m (28ft) | | 4mm (5/32 in) | 4mm (5/32 in | |
| | | - 13m | 3mm (1/8 in) 4mm (5/32 in) | 5mm (3/16 in) | 5mm (3/16 in | |
| | | 13m (43 ft) | 5mm (3/16in) | 5mm (3/16in) | • |) |
| 3.17 | | ail or Foot - S | | 311111 (3/1011) | 5mm (3/16in) | Mo0,1,2,3 |
| 3.17.1 | | | - | L in) shall be permanently ins | talled around | Mo0,1,2,3 |
| 5.17.1 | | | | xcept in way of fittings and n | | 1100,1,2,3 |
| | | | | deck than one third of the lo | | |
| 3.17.2 | | | ns shall apply:- | deck than one third of the lov | cai nan beam. | Mo0,1,2,3 |
| 311712 | TABLE | _ | no onan appryr | | | Mo0,1,2,3 |
| | | Earliest of Age | e minimum rec | ıuirements | | |
| | | or Series Date | | | | |
| | any | before Januar | | nimum height of 20 mm (3/4 | in) is acceptable | e. |
| | , | 1981 | , | 3 (, | , , | |
| | any | before Januar | y an additional | lifeline of minimum height 2 | 5 mm (1 in) and | d maximum |
| | • | 1994 | height 50 mr | n (2 in) is acceptable in lieu (| of a toe rail (but | : shall not |
| | | | | ntermediate lifeline). | | |
| | any | January 1994 | the toe rail s | hall be fitted as close as prac | ticable to the ve | ertical axis of |
| | | and after | stanchion ba | ses but not further inboard th | nan 1/3 the loca | l half-beam. |
| 3.18 | Toilet | | | | | |
| 3.18.2 | | | installed or fitted | bucket | | MoMu3,4 |
| 3.19 | Bunks | | | | | slesle |
| 3.19.2 | | , permanently i | nstalled | | | ** |
| 3.20 | | ng Facilities | الممال والمعام والمرام والمرام والمرام | ar account factor of with an | fo occosible | MaMO 1 2 2 |
| 3.20.1 | | | - | or securely fastened with sa | | MoMu0,1,2,3 |
| 3.21 | | | nks & Drinking | ng safely operated in a seawa | ay. | MoMu0,1,2,3 |
| 3.21.1 | | ing Water Tai | _ | water | | MoMu0,1,2,3 |
| a) | | _ | | lled delivery pump and water | r tank(s)· | MoMu0,1,2,3 |
| • | • | gency Drinkin | • | med delivery pump and water | carii(3)1 | MoMu0,1,2,3 |
| a) | | - | | gallons) of drinking water for | emergency | MoMu1,2,3 |
| - / | | - | _ | nd sealed container or contain | | / /- |
| 3.22 | | Holds | | | () | |
| | Adequ | ate hand holds | shall be fitted be | low deck so that crew memb | ers may move | ** |
| | about | safely at sea. | | | | |
| | | | • | standing without rupture a s | ide force of | |
| | | | drawn to ISO 150 | <i>185.</i> | | |
| 3.23 | _ | Pumps and B | | | | |
| 3.23.1 | - | ge pump may d | ischarge into a co | ockpit unless that cockpit ope | ens aft to the | ** |
| 2 22 2 | sea. | | | 1 11 1 1 (000 2 00) | | ale ale |
| 3.23.2 | | • | | cockpit drains. (OSR 3.09) | 1.6 | ** |
| 3.23.3 | | • | m boxes shall be | readily accessible for mainte | nance and for | ** |
| 2 22 4 | | g out debris | | | م ملینی، ام مامن | ** |
| 3.23.4 | | • | | ge pump handle shall be prov | ided with a | ጥጥ |
| 3.23.5 | • | | - | event accidental loss | | |
| 3.23.5 d) | | llowing shall be | - | nual bilge pump operable with | all cocknit | Mo3 |
| u) | | • | mpanionways sh | | i ali cockpit | כטויו |
| f) | - | | | ut with at least 9 litres (2 UK g | allons 2411S | ** |
| ') | | | th bucket to have | • • • | unons, 2. T 03 | |
| | ganon | o, capacity. Lat | in bucket to have | a lariyarar | | |

with the manufacturer's recommended procedures. A taut lanyard of synthetic rope may be used to secure lifelines provided the gap

f)

| 3.24 | Compass | | |
|--------|---|---|---------------|
| 3.24.1 | The following shall be pro | | |
| a) | | ass, independent of any power supply, permanently justed with deviation card, and | ** |
| b) | a magnetic compass inde a steering compass which | ependent of any power supply, capable of being used as n may be hand-held | MoMu0,1,2,3 |
| 3.25 | Halyards. | | ata ta |
| 3.27 | Navigation Lights (see | | ** |
| 3.27.1 | | mounted so that they will not be masked by sails or the | ** |
| 3.27.2 | | t be mounted below deck level and should be at no less | ** |
| 3.27.3 | height than immediately Navigation light intensity | · | |
| 3.27.3 | TABLE 11 | | |
| | LOA | Guide to required minimum power rating for an electric bulb in a navigation light | |
| | under 12 m (39.4 ft) | 10 W | |
| | 12 m (39.4 ft) and | 25 W | |
| 3.27.4 | above Pecerve pavigation lights | shall be carried having the same minimum specifications | MoMu0,1,2,3 |
| J.27.7 | 5 5 | bove, with a separable power source, and wiring or | 1101100,1,2,3 |
| | supply system essentially | separate from that used for the normal navigation lights | |
| 3.27.5 | | n lights shall be carried, or for lights not dependent on | ** |
| 3.28 | bulbs, appropriate spares Engines, Generators, I | | |
| 3.28.1 | Propulsion Engines | uei | ** |
| a) | | ystems shall be installed in accordance with their | ** |
| | | s and shall be of a type, strength, capacity, and | |
| LX | | ne size and intended use of the yacht. | ** |
| b) | | gine when fitted shall: be provided with a permanently t, and fuel supply systems and fuel tank(s); be securely | ** |
| | - | uate protection from the effects of heavy weather. | |
| c) | · | ired by Special Regulations shall provide a minimum | MoMu0,1,2,3 |
| • | • | square root of LWL in metres) or (square root of LWL in | |
| d) | feet) | be provided either as an inboard propulsive engine or as | Mo3 |
| u) | | associated tanks and fuel supply systems, all securely | 1103 |
| | fastened. | | |
| 3.28.2 | Generator | | ata ta |
| | | electricity is optional. However, when a separate all be permanently installed, securely covered, and shall | ** |
| | _ | ed exhaust, cooling and fuel supply systems and fuel | |
| | | ate protection from the effects of heavy weather. | |
| 3.28.3 | Fuel Systems | · | |
| a) | • | with a shutoff valve. Except for permanently installed | MoMu0,1,2,3 |
| b) | | e tank is not permitted as a fuel tank. all have a minimum amount of fuel which may be | MoMu0,1,2,3 |
| D) | | Race but if not, shall be sufficient to be able to meet | 1101100,1,2,3 |
| | • | or the duration of the race and to motor at the above | |
| | minimum speed for at lea | ast 8 hours | |
| 3.28.4 | Battery Systems When an electric starter i | is the only method for starting the engine, the yeart | MaMun 1 2 2 |
| a) | | is the only method for starting the engine, the yacht tery, the primary purpose of which is to start the engine | MoMu0,1,2,3 |
| b) | - | s on board shall be of the sealed type from which liquid | MoMu0,1,2,3 |
| | | e. Other types of battery installed on board at 1/12 may | - |
| | continue in use for the re | emainder of their service lives. | |

| 3.29 | Communications Equipment, EPFS (Electronic Position-Fixing System), Radar, AIS | ** |
|-----------|--|---------------|
| | Provision of GMDSS is unlikely to be mandatory for small craft during the term of | MoMu0,1,2,3 |
| | the present Special Regulations. | , , , - |
| 3.29.1 | The following shall be provided: | ** |
| a) | A marine radio transceiver (or if stated in the Notice of Race, an installed satcom terminal), and | MoMu0,1,2,3 |
| i | an emergency antenna when the regular antenna depends upon the mast. | MoMu0,1,2,3 |
| b) | When the marine radio transceiver is VHF: | MoMu0,1,2,2 |
| i | it shall have a rated output power of 25W | MoMu0,1,2,3 |
| ii | it shall have a masthead antenna, and co-axial feeder cable with not more than 40% power loss | MoMu0,1,2,3 |
| 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- | MoMu0,1,2,3 |
| | 230ft - type LMR600 (uses special connectors, available from US supplier Times | |
| iv | Microwave). it should include channel 72 (an international ship-ship channel which, by | MoMu0,1,2,3 |
| <i>1V</i> | common use, has become widely accepted as primary choice for ocean racing yachts anywhere in the world) | 1401400,1,2,3 |
| V | VHF transceivers installed after 31 December 2015 shall be DSC capable | MoMu1,2,3 |
| vi | DSC capable VHF transceivers shall be programmed with an assigned MMSI (unique to the boat), be connected to a GPS receiver and be capable of making | MoMu1,2,3 |
| | distress alert calls as well as sending and receiving a DSC position report with another DSC equipped station | |
| e) | 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) The handheld receiver should have Digital Selective Calling (DSC) and be equipped with GPS. | MoMu1,2,3,4 |
| f) | Independent of a main radio transceiver, a radio receiver capable of receiving weather bulletins | ** |
| i) | An EPFS (Electronic Position-Fixing System) (e.g. GPS) | MoMu0,1,2,3 |
| 0) | An AIS Transponder is recommended | <i>MoMu3</i> |
| 3.29.2 | Yachts are reminded that no reflector, active or passive, is a guarantee of detection or tracking by a vessel using radar. | ** |
| 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. | ** |

| (for wa | 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. | ** |
| 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 | Jackstays shall be provided- | MoMu0,1,2,3 |
| a) | attached to through-bolted or welded deck plates or other suitable and strong anchorage fitted on deck, port and starboard of the yacht's centre line to provide secure attachments for safety harness:- | MoMu0,1,2,3 |
| b) | comprising stainless steel 1 \dot{x} 19 wire of minimum diameter 5 mm (3/16 in), high modulus polyethylene (such as Dyneema/Spectra) rope or webbing of equivalent | MoMu0,1,2,3 |

| | strength; | |
|-----------|---|-------------|
| c) | which, when made from stainless steel wire shall be uncoated and used without | MoMu0,1,2,3 |
| | any sleeving; | |
| <i>d)</i> | 20kN (2,040 kgf or 4,500 lbf) min breaking strain webbing is recommended; | MoMu0,1,2,3 |
| 4.04.2 | Clipping Points:- | |
| | shall be provided- | |
| a) | attached to through-bolted or welded deck plates or other suitable and strong | MoMu0,1,2,3 |
| | anchorage points adjacent to stations such as the helm, sheet winches and | |
| | masts, where crew members work for long periods:- | |
| b) | which, together with jackstays and static safety lines shall enable a crew | MoMu0,1,2,3 |
| | member- | |
| 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 | MoMu0,1,2,3 |
| | 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 | MoMu0,1,2,3 |
| | simultaneously clipped on without depending on jackstays | |
| e) | Warning - U-bolts as clipping points - see OSR 5.02.1(a) | MoMu0,1,2,3 |
| 4.05 | Fire Extinguishers | |
| | Shall be provided as follows: | |
| 4.05.1 | Fire extinguishers, at least two, readily accessible in suitable and different parts | ** |
| | of the yacht | |
| 4.05.2 | Fire Extinguishers, at least two, of minimum 2kgs each of dry powder or | MoMu0,1,2,3 |
| | equivalent | |
| 4.05.4 | A fire blanket adjacent to every cooking device with an open flame | ** |
| 4.06 | Anchor(s) | |
| 4.06.1 | An anchor or anchors shall be carried according to the table below: | ** |
| a) | The following anchors shall be provided | |
| i | For yachts of 8.5 m LOA (28 ft) and over there shall be 2 anchors together with a | MoMu1,2,3 |
| | suitable combination of chain and rope, all ready for immediate use | |
| ii | For yachts under 8.5 m LOA (28 ft) there shall be 1 anchor together with a | MoMu1,2,3 |
| | suitable combination of chain and rope, all ready for immediate use | |
| 4.07 | Flashlight(s) and Searchlight(s) | |
| 4.07.1 | The following shall be provided:- | |
| a) | A watertight, high-powered searchlight, suitable for searching for a person | ** |
| | overboard at night and for collision avoidance with spare batteries and bulbs, and | |
| b) | a watertight flashlight with spare batteries and bulb | ** |
| 4.08 | First Aid Manual and First Aid Kit | ** |
| 4.08.1 | A suitable First Aid Manual shall be provided | ** |
| | In the absence of a National Authority's requirement, the latest edition of one of | ** |
| | the following is recommended:- | |
| <i>b)</i> | First Aid at Sea, by Douglas Justins and Colin Berry, published by Adlard Coles | MoMu2,3,4 |
| | Nautical, London | |
| <i>c)</i> | Le Guide de la medecine a distance, by Docteur J Y Chauve, published by | ** |
| | Distance Assistance BP33 F-La Baule, cedex, France. | |
| d) | 'PAN-PAN medico a bordo' in Italian edited by Umberto Verna. www.panpan.it | MoMu2,3,4 |
| <i>e)</i> | Skipper's Medical Emergency Handbook by Dr Spike Briggs and Dr Campbell | ** |
| | Mackenzie www.msos.org.uk | |
| 4.08.2 | A First Aid Kit shall be provided | ** |
| 4.08.3 | The contents and storage of the First Aid Kit should reflect the guidelines of the | ** |
| | Manual carried, the likely conditions and duration of the passage, and the number | |
| | of people aboard the yacht. | |
| 4.09 | Foghorn | |
| | A foghorn shall be provided | ** |
| 4.10 | Radar Reflector | |
| 4.10.1 | An octahedral passive radar reflector shall be carried with circular sector plates of | ** |
| | minimum diameter 30 cm (12") or a reflector with a documented minimum Radar | |
| | Cross Section (RCS) area of 2 m2 | |
| 4.11 | Navigation Equipment | |
| 4.11.1 | Charts | |

| | Navigational charts (not solely electronic), light list and chart plotting equipment | ** |
|-----------------------------------|--|---|
| | shall be provided | |
| 4.12 | Safety Equipment Location Chart | |
| | A safety equipment location chart in durable waterproof material shall be | ** |
| | displayed in the main accommodation where it can best be seen, clearly marked | |
| | with the location of principal items of safety equipment. | |
| 4.13 | Echo Sounder or Lead Line | |
| 4.13.1 | An echo sounder or lead line shall be provided | MoMu1,2,3,4 |
| 4.14 | Speedometer or Distance Measuring Instrument (log) | |
| | A speedometer or distance measuring instrument (log) shall be provided | MoMu0,1,2,3 |
| 4.15 | Emergency Steering | |
| 4.15.1 | Emergency steering shall be provided as follows: | |
| a) | except when the principal method of steering is by means of an unbreakable | MoMu0,1,2,3 |
| | metal tiller, an emergency tiller capable of being fitted to the rudder stock; | |
| b) | crews must be aware of alternative methods of steering the yacht in any sea | MoMu0,1,2,3 |
| | 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. | |
| 4.16 | 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. | |
| 4.17 | Yacht's name | aleale |
| | Yacht's name shall be on miscellaneous buoyant equipment, such as lifejackets, | ** |
| 4.40 | cushions, lifebuoys, lifeslings, grab bags etc. | |
| 4.18 | Marine grade retro-reflective material | ** |
| | Marine grade retro-reflective material shall be fitted to lifebuoys, lifeslings, | * * |
| 4 20 | liferafts and lifejackets. See OSRs 5.04, 5.08. | M - M - O 1 2 |
| 4.20 | Liferafts | MoMu0,1,2 |
| 4.20.1 | Liferaft Construction and Packed Equipment | MaMul 2 |
| 4.20.2 | Liferaft(s) shall be provided capable of carrying the whole crew when each liferaft | MoMu1,2 |
| 2) | shall comply with either:- Liferafts shall comply with SOLAS LSA code 1997 Chapter IV or later version | Extract File |
| a) | except that they are acceptable with a capacity of 4 persons and may be packed | MoMu1,2 |
| | in a valise. A SOLAS liferaft shall contain at least a SOLAS "A" pack or | 11011111,2 |
| | | |
| h) | · | MoMu1 2 |
| b) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or | MoMu1,2 |
| b) c) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race | MoMu1,2 MoMu1,2 |
| c) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or | MoMu1,2 |
| | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a | • |
| c) d) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and- | MoMu1,2 MoMu1,2 |
| c) d) i | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and | MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding | MoMu1,2 MoMu1,2 |
| c) d) i | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and when the liferaft is designed with a single ballast pocket this shall be accepted | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii iii | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii v | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii v | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 |
| c) d) i ii iii iv v 4.20.3 | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii iv v 4.20.3 | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:- packed in a transportable rigid container or canister or in a valise and stowed in a | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii v v 4.20.3 | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:- 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 | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii v v 4.20.3 | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:- 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:- | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii v v 4.20.3 | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:-packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:-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:-each compartment is watertight or self-draining (self-draining compartments will | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii v 4.20.3 a) b) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:- 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:- each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii v 4.20.3 a) b) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:- 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:- 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 - | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |
| c) d) i ii iii v 4.20.3 a) b) | for liferafts manufactured prior to January 2003, OSR Appendix A part I (ORC), or OSR Appendix A part II (ISAF) when, unless otherwise specified by a race organizer, the floor shall include thermal insulation, or ISO 9650 Part I Type I Group A (ISO) when each liferaft shall contain at least a Pack 2 (<24h) and-shall have a semi-rigid boarding ramp, and shall be so arranged that any high-pressure hose shall not impede the boarding process, and shall have a topping-up means provided for any inflatable boarding ramp, and 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 compliance with OSR 4.20.2 (d) i-iv shall be indicated on the liferaft certificate. Liferaft Packing and Stowage A Liferaft shall be either:- packed in a transportable rigid container or canister and stowed on the working deck or in the cockpit, or:- 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:- each compartment is watertight or self-draining (self-draining compartments will be counted as part of the cockpit volume except when entirely above working | MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu1,2 MoMu0,1,2 MoMu0,1,2 MoMu0,1,2 |

| iii | pressure, and- the compartment is designed and built to allow a liferaft to be removed and | MoMu0,1,2 |
|-----------|---|-------------|
| | 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. | MoMu1,2 |
| V | Liferaft stowage on a multihull and a monohull with moveable ballast shall be such that each liferaft may be readily removed and launched whether or not the yacht is inverted. | MoMu0,1,2 |
| c) | The end of each liferaft painter should be permanently made fast to a strong point on board the yacht. | MoMu0,1,2 |
| 4.20.4 | Liferaft Launching | MoMu0,1,2 |
| a) | Each raft shall be capable of being got to the lifelines or launched within 15 seconds. | MoMu0,1,2 |
| b) | Each liferaft of more than 40kg weight should be stowed in such a way that the liferaft can be dragged or slid into the sea without significant lifting | MoMu0,1,2 |
| 4.20.5 | Liferaft Servicing and Inspection | MoMu0,1,2 |
| | IMPORTANT NOTICE Recent evidence has shown that packaged liferafts are vulnerable to serious damage when dropped (e.g. from a boat onto a marina pontoon) or when subjected to the weight of a crew member or heavy object (e.g. an anchor). Damage can be caused internally by the weight of the heavy steel CO2 bottle abrading or splitting neighbouring layers of buoyancy tube material. ISAF has instituted an investigation into this effect and as an interim measure requires 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. | MoMu0,1,2 |
| a) | Certificates or copies, of servicing and/or inspection shall be kept on board the yacht. Every SOLAS liferaft and every valise-packed liferaft shall have a valid annual certificate of new or serviced status from the manufacturer or his approved service station. | MoMu0,1,2 |
| b) | A liferaft built to OSR Appendix A part I ("ORC") packed in a rigid container or canister shall either be serviced annually 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. | MoMu0,1,2 |
| c) | A liferaft built to OSR Appendix A part II ("ISAF") packed in a rigid container or canister shall either be serviced annually or may, when the manufacturer so specifies, have its first service no longer than 3 years after commissioning and its second service no longer than 2 years after the first. Subsequent services shall be at intervals of not more than 12 months. | MoMu1,2 |
| d) | A liferaft built to ISO 9650 Part 1 Type Group A, packed in a rigid container or canister shall be serviced in accordance with the manufacturer's instructions but NOT less frequently than every three years | MoMu1,2 |
| e) | A liferaft built to ISO 9650 Part 1 Type Group A packed in a valise shall be inspected annually by an approved manufacturer's agent and serviced in accordance with the manufacturer's instructions but NOT less frequently than every three years. | MoMu1,2 |
| f) | Liferaft servicing certificates shall state the specification that the liferaft was built to. See OSR 4.20.2 | MoMu1,2 |
| 4.21.2 | Grab Bags to Accompany Liferafts | 14-14-0-1-2 |
| a) | A yacht is recommended to have for each liferaft, a grab bag with the following minimum contents. A grab bag should have inherent flotation, at least 0.1 m^2 area of fluorescent orange colour on the outside, should be marked with the name of the yacht, and should have a lanyard and clip. | MoMu0,1,2 |
| <i>b)</i> | Note: it is not intended to duplicate in a grab bag items required by other OSRs to be on board the yacht - these recommendations cover only the stowage of those items | МоМи0,1,2 |

| 4.21.3 | Grab Bag Recommend | | luma tuna chamical | light sticks (rod | MaMul 2 |
|-------------|--|---------------------------|------------------------|----------------------|----------------|
| a) | 2 red parachute and 2 re flares compliant with SO | LAS) | | | MoMu1,2 |
| b) | watertight hand-held EPI one of the grab bags car | - | -Fixing System) (eg | GPS) in at least | MoMu1,2 |
| c) | SART (Search and Rescu by a yacht | | east one of the grau | b bags carried | MoMu1,2 |
| d) | a combined 406MHz/121 at least one of the grab i | _ | ed to the boat (see | OSR 4.19.1) in | MoMu1,2 |
| e) | water in re-sealable cont water | | ated desalinator plu | s containers for | MoMu1,2 |
| f) | a watertight hand-held n | narine VHF transceiver | plus a spare set of | batteries | MoMu0,1,2 |
| g) | a watertight flashlight wi | | • | | MoMu0,1,2 |
| h) | dry suits or thermal prote | ective aids or survival i | bags | | |
| i) | second sea anchor for the sea anchor in its pack) (I >30m line diameter >9.3 | recommended standar | | | MoMu0,1,2 |
| j) | two safety tin openers (ii | | | | MoMu0,1,2 |
| k) | first-aid kit including at le | | een. All dressings s | should be | MoMu0,1,2 |
| , | capable of being effective clearly marked and re-se | ely used in wet conditi | | | , , |
| <i>l)</i> | signalling mirror | | | | MoMu0,1,2 |
| m) | high-energy food (min | | | | MoMu0,1,2 |
| n) | nylon string, polythene b recommended) | ags, seasickness table | ets (min 6 per perso | n | MoMu0,1,2 |
| 0) | watertight hand-held avi | ation VHF transceiver | (if race area warran | nts) | MoMu0,1,2 |
| 4.22 | Lifebuoys | | | | |
| 4.22.1 | The following shall be prinstant use: | | | ready for | ** |
| a) | a lifebuoy with a self-ign | | | | ** |
| 4.22.3 | Each inflatable lifebuoy a compressed gas) shall be | | | | ** |
| | manufacturer's instructio | | it intervals in accord | dance with its | |
| 4.22.4 | Each lifebuoy or lifesling | | arine grade retro-ref | flective material | ** |
| | (4.18). | | g | | |
| 4.22.5 | It is recommended that to | the colour of each lifeb | ouoy be a safety col | lour in the | ** |
| 4.00 | yellow-red range. | 6 ' | | | |
| 4.23 | Pyrotechnic and Light | _ | o a to COLAC LCA Co | do Chantor III | ** |
| 4.23.1 | Pyrotechnic signals shall Visual Signals and not old | | | | ጥጥ |
| | date stamped , not older | | expiry date (ii arry) | or if the expiry | |
| | red parachute flares | red hand flares LSA | orange smoke | race category | |
| | LSA III 3.1 | III 3.2 | LSA III 3.3 | race category | |
| | 6 | 4 | 2 | MoMu0,1 | |
| | 4 | 4 | 2 | MoMu2,3 | |
| | | 4 | 2 | Mo4 | |
| | 2 | 4 | 2 | | |
| | TABLE 13 | 4 | _ Z | Mu4 | |
| 4.24 | | | | | ** |
| | Heaving Line | rovidad 1Em 2Em / | EO ft 7E ft) longth | roadily | ** |
| a) | a heaving line shall be praccessible to cockpit. | Ovided 13 iii - 23 iii (5 | ou it - 75 it) length | ı c auliy | , . |
| <i>b</i>) | the "throwing sock" type | o is recommended - see | a Annandiy D | | ** |
| <i>b)</i> | A lifesling shall be provid | | - Αμμετιαίχ υ | | MoMu0,1,2,3 |
| 4.25 | Cockpit Knife | Cu | | | 11011100,1,2,3 |
| 7.43 | A strong, sharp knife, sh | eathed and securely re | estrained shall he ne | rovided readily | ** |
| | accessible from the deck | | Sadirica stidil be pi | ovided reduity | |
| 4 26 | Storm & Heavy Weath | | | | |

4.26 Storm & Heavy Weather Sails4.26.1 Design

it is strongly recommended that persons in charge consult their ** **a**) 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** Every storm jib shall either be of highly-visible coloured material (e.g. dayglo ** a) pink, orange or yellow) or have a highly-visible coloured patch at least 50% of the area of the sail (up to a maximum diameter of 3m) added on each side; and also that a rotating wing mast should have a highly-visible coloured patch on each side. A storm sail purchased after January 2014 shall have the material of the body of the sail a highly-visible colour. it is strongly recommended that the storm trysail should either be made of or ** b) have a patch of highly visible colour. 4.26.3 **Materials** aromatic polyamides, carbon and similar fibres shall not be used in a trysail or ** a) 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:sheeting positions on deck for each storm and heavy-weather sail; ** a) ** 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; Storm and heavy weather jib areas shall be calculated as: $(0.255 \times 1)^*$ To apply to sails made in January 2012 and after. when a storm trysail is required by OSR 4.26.4 (g) it shall be capable of being c) Extract MoMu sheeted independently of the boom with trysail area not greater than 17.5% mainsail hoist (P) luff length x mainsail foot length (E). The storm trysail area shall be measured as (0.5 x leech length x shortest distance between tack point and leech). 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 trysail. The method of calculating area applies to sails made in January 2012 and after. d) if a storm trysail is required by OSR 4.26.4 (g) the yacht's sail number and Extract MoMu letter(s) shall be placed on both sides of the trysail (or on a rotating wing mast as 3,4 substitute for a trysail) in as large a size as practicable; a heavy-weather jib (or heavy-weather sail in a yacht with no forestay) of area f) not greater than 13.5% height of the foretriangle squared;

either a storm trysail as defined in OSR 4.26.4(c), or mainsail reefing to reduce

MoMu3

g)

the luff by at least 40%.

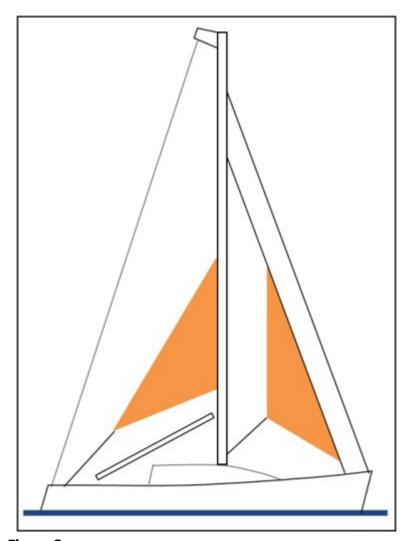


Figure 3

SECTION 5 - PERSONAL EQUIPMENT

| > |
|----------|
| ; |
| or ' |
| ; |
| 9 |
| |
| a 5). |
| |
| |
| 0 |
| |
| ; |
| |
| |

| c) d) e) f) g) 5.01.4 5.02 5.02.1 | element down. A crew member before a race should adjust a lifejacket to fit then retain that lifejacket for the duration of the race. Correct adjustment is fundamental to the lifejacket functioning correctly. fitted with a lifejacket light in accordance with SOLAS LSA code 2.2.3 (white, >0.75 candelas, >8 hours), if inflatable have a compressed gas inflation system, if inflatable, regularly checked for gas retention, compatible with the wearer's safety harness, clearly marked with the yacht's or wearer's name, It is strongly recommended that a lifejacket has a splashguard / sprayhood See ISO 12402 – 8, The person in charge shall personally check each lifejacket at least once annually. 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. | ** ** ** MoMu1,2,3,4 ** MoMu0,1,2,3 MoMu0,1,2,3 |
|--|---|--|
| a) | Harnesses and safety lines manufactured prior to Jan 2010 shall comply with either ISO 12401 or EN 1095. Harnesses and safety lines manufactured prior to Jan 2001 are not permitted. Warning it is possible for a plain snaphook to disengage from a U bolt if the hook is rotated under load at right-angles to the axis of the U-bolt. For this reason the use of snaphooks with positive locking devices is strongly recommended. | MoMu0,1,2,3 |
| 5.02.2 | At least 30% of the crew shall each, in addition to the above be provided with | MoMu0,1,2,3 |
| a) b) 5.02.3 5.02.4 5.02.5 a) | either:- a safety line not more than 1m long, or a mid-point snaphook on a 2m safety line A safety line purchased in January 2001 or later shall have a coloured flag embedded in the stitching, to indicate an overload. A line which has been overloaded shall be replaced as a matter of urgency. A crew member's lifejacket and harness shall be compatible It is strongly recommended that:- static safety lines should be securely fastened at work stations; | MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 MoMu0,1,2,3 |
| <i>b)</i> | A harness should be fitted with a crotch strap or thigh straps. | MoMu0,1,2,3 |
| c) d) | to draw attention to wear and damage, stitching on harness and safety lines should be of a colour contrasting strongly with the surrounding material; 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 released under load (crew members are | MoMu0,1,2,3 MoMu0,1,2,3 |
| e) | reminded that a personal knife may free them from a safety line in emergency); a crew member before a race should adjust a harness to fit then retain that | MoMu0,1,2,3 |
| <i>5.02.6</i> 5.04 | harness for the duration of the race. Warning - a safety line and safety harness are not designed to tow a person in the water and it is important that the shortest safety line length possible be used with a harness to minimise or eliminate the risk of a person's torso becoming immersed in water outside the boat, especially when working on the foredeck. Im safety lines or the midpoint snaphook on a 2m line should be used for this purpose. The diligent use of a properly adjusted safety harness and the shortest safety line practicable is regarded as by far the most effective way of preventing man overboard incidents. Foul Weather Suits | ** |
| <i>b)</i> | it is recommended that a foul weather suit should be fitted with marine-grade retro-reflective material, and should have high-visibility colours on its upper parts and sleeve cuffs. See OSR 4.18 TION 6 - TRAINING | ** |
| 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 | ** |
| 6.05.3 | At least one member of the crew shall be familiar with First Aid procedures, | MoMu3,4 |

6.05.4 An example model first aid training course is included in Appendix N.

**

APPENDICES TO SPECIAL REGULATIONS

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 K - Moveable and Variable Ballast

end of file

Mon 23 Dec 13 15:13:16