



# Offshore Yacht Racing Association

## MINIMUM EQUIPMENT REQUIREMENTS

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Questions Call (415) 285-0559

YACHT NAME ..... SAIL NUMBER .....

Berthed (Marina/Berth #) .....

Marina (Day telephone) ..... Marina (Night/emergency telephone) .....

(Cell phone if carried on board when racing.) .....

Hull Color ..... Deck Color .....

### This check list is made part of the sailing instructions

In accordance with OYRA GENERAL STANDING SAILING INSTRUCTIONS every boat must meet the requirements and exceptions as found in the International Sailing Federation Special Regulations 2006-2007 edition, for a Category 2 Event, governing offshore and oceanic racing. The minimum equipment required by these regulations is summarized below. Each entrant should obtain a current copy of these requirements directly from US Sailing, Box 1260, Portsmouth, RI 028871. Phone: 1-800-US SAIL-1 or 401-863-0800. Short Handed Sailing class must meet the same requirements as applicable. The owner/skipper is directed to the category item found in the ISFSR for a more complete explanation of the requirements.

The safety of a boat and her crew is the sole and inescapable responsibility of the owner, who must do his/her best to insure the yacht is found sound and thoroughly seaworthy. The skipper must insure that all safety equipment is properly maintained and stored, and that crewmembers have had instructions in its proper use. In addition to lights and equipment required by the Coast Guard and State laws, all boats participating in OYRA events should meet the minimum equipment requirements as prescribed herein.

#### Instructions for self inspecting your yacht:

This form must be filled out and signed by the skipper of a boat participating in any OYRA race. The completed form must be submitted with your application or it cannot be processed. A copy of the form must be on board when racing. Use margins for explanations or attach an additional sheet if necessary.

When inspecting the boat refer to the specific Category 2 requirements to insure the item is of proper type and size.

- Place an "X" in the box if it applies to the yacht.
- \_\_\_\_\_ Place an "X" on the line to indicate that the requirement has been met or NA if not applicable.

### Section 2.0 APPLICATION & GENERAL REQUIREMENTS

- 2.02 Inspection. Skippers must make frequent inspections of their boats and equipment, and repair or replace questionable items. The decision to race or to continue racing must be made by the skipper of each individual yacht regardless of the actions of other boats or race committees.
- 2.03 Ballast and heavy equipment shall be securely fastened in position. Internal equipment such as:
  - batteries \_\_\_\_\_,  stoves \_\_\_\_\_,  gas bottles \_\_\_\_\_,  tanks \_\_\_\_\_,  engines \_\_\_\_\_,
  - outboard motors \_\_\_\_\_,  anchors and chains,  other \_\_\_\_\_,  other \_\_\_\_\_

### Section 3.0 STRUCTURAL FEATURES, STABILITY, FIXED EQUIPMENT

- 3.02 Hulls of offshore racing boats shall be self-righting and strongly built, water tight, and capable of withstanding solid water and knockdowns, and have fixed ballast of 800 pounds or more. They must be properly rigged and ballasted, be fully seaworthy, and meet Offshore Racing Council stability requirements, and meet the standards set forth therein.
  - standing rigging \_\_\_\_\_  running rigging \_\_\_\_\_



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- 3.08 Hatches, companionway and ports must be essentially watertight, strong and rigidly secured in position with the hatch open or shut and shall be secured to the boat by a lanyard or other mechanical means to prevent their being lost overboard and so arranged that they can be opened from inside or outside.  
 hatch boards in good condition \_\_\_\_\_,  hatch boards secured by lanyard \_\_\_\_\_,  
 deck hatch is water tight \_\_\_\_\_,  deck hatch retainable in open or shut position \_\_\_\_\_
- 3.09 Cockpits must be self-bailing with adequate openings to quickly drain with at least two drains of not less than one-inch diameter or equivalent.  
 port drain operable \_\_\_\_\_,  starboard drain operable \_\_\_\_\_
- 3.10 An emergency device for closing all through-hull openings. Seacocks and valves themselves are not adequate a  device for closing through hull \_\_\_\_\_
- 3.14 Fixed bow and stern pulpit with two lifelines and stanchions, or substituted for boats under 28' and manufactured before 1992, one life-line, a single taut life-line running down each side of the deck, fore and aft, with strong adequate fastenings.  
 fixed bow pulpit in good condition \_\_\_\_\_,  stern pulpit in good condition \_\_\_\_\_, stanchions securely installed \_\_\_\_\_, two, "taut" port life-lines  \_\_\_\_\_, two, "taut" starboard life-lines  \_\_\_\_\_
- 3.18 Toilet permanently installed.  \_\_\_\_\_ (For boats under 30' a fitted bucket is acceptable.)
- 3.19 Bunks permanently installed. OYRA requirement: two full sized berths.  \_\_\_\_\_
- 3.20 Cooking stove capable of being safely operated at sea.  \_\_\_\_\_
- 3.21 At least one securely installed water tank discharging through a pump. At least 2.4 gallons of water for emergency use in a dedicated container or containers.  \_\_\_\_\_
- 3.23 Two manual bilge pumps, one operable above and one below deck. Each operable with all below deck openings closed. Boats under 30' at least one permanently installed manual bilge pump of 10 gallons per minute capacity operable with all hatches and companionways closed.  
installed/properly operating  \_\_\_\_\_ Two stout buckets.  \_\_\_\_\_
- 3.24 Marine magnetic compass, independent of any power supply, permanently installed and correctly adjusted with a deviation card.  \_\_\_\_\_
- 3.27 Navigation lights.  \_\_\_\_\_
- 3.28 Operable engine and propeller combination capable of driving the boat at speed equal to the square root of the water length and carrying sufficient fuel to operate at this speed for eight hours.  
 \_\_\_\_\_ engine in good order,  \_\_\_\_\_ fuel on board .
- 3.29 Radio receiver capable of receiving weather bulletins, VHF two-way radiotelephone.  
 \_\_\_\_\_, radio receiver capable of receiving weather bulletins  
 \_\_\_\_\_, waterproof hand-held VHF transceiver. (Hand-held VHF qualifies as weather bulletin receive.  
 \_\_\_\_\_, built-in VHF radio

## **Section 4.0 PORTABLE EQUIPMENT & SUPPLIES**

- 4.03 Soft wood plugs, tapered and of 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.  \_\_\_\_\_
- 4.05 Fire extinguishers, at least two, readily accessible in suitable and different parts of the boat.  
 \_\_\_\_\_ charged. \_\_\_\_\_  \_\_\_\_\_ charged
- 4.06 Anchor, chain and rope, minimum 150 feet, all of which shall be of suitable size for the yacht.  \_\_\_\_\_
- 4.07 Flashlight, watertight with spare batteries and bulbs.  \_\_\_\_\_  
High powered flashlight or spotlight with spare batteries and bulbs.  \_\_\_\_\_
- 4.08 First aid kit and manual.  \_\_\_\_\_.
- 4.09 Manually operated foghorn.  \_\_\_\_\_.
- 4.10 Radar reflector.  \_\_\_\_\_.
- 4.11 Navigation equipment including charts.  \_\_\_\_\_.



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- 4.12 Durable stowage chart clearly marked with location of the principal items of safety equipment.  \_\_\_\_
- 4.13 Echo sounder or lead line.  \_\_\_\_
- 4.14 Speedometer or distance measuring instrument.  \_\_\_\_
- 4.15 Emergency steering. Emergency tiller (if required).  \_\_\_\_  
Alternative methods of steering need only be discussed with crew.  \_\_\_\_
- 4.16 Tools and spare parts.  \_\_\_\_  
Rigging cutters, hacksaw and blades.  \_\_\_\_
- 4.17 Floatable equipment shall be painted with the boat's name.  \_\_\_\_.  
(Personal equipment must have crewmembers name affixed to it)
- 4.18 Marine grade retro-reflective material shall be fitted to lifebuoys, life slings and lifejackets.  \_\_\_\_.
- 4.22 The life buoy shall be a *Lifesling* handy to the helmsman.  \_\_\_\_.  
The pole with one life buoy, a whistle, drogue, and self-righting light is required  \_\_\_\_.
- 4.23 Pyrotechnic signals conforming to the current international Convention of the Safety of Life at Sea (SOLAS) regulations (chapter VII Visual Signal) and not more than 3 years old stowed in a waterproof container(s) except that national authorities may prescribe a longer pyrotechnic life for yachts under their jurisdiction. (US Sailing prescribes that for yachts under its jurisdiction, SOLAS flares may not be more than 6 years old.)  
US Sailing prescribes that the flare may not be more than 6 years old. Flares manufactured after April 2001 are acceptable this season.

## Category 2 pyrotechnic requirements:

### SOLAS FLARES ARE REQUIRED AS FOLLOWS:

- RED PARACHUTE FLARE. Expiration date \_\_\_\_\_
- RED PARACHUTE FLARE. Expiration date \_\_\_\_\_
- RED PARACHUTE FLARE. Expiration date \_\_\_\_\_
- RED PARACHUTE FLARE. Expiration date \_\_\_\_\_
- RED HAND FLARE. Expiration date \_\_\_\_\_
- RED HAND FLARE. Expiration date \_\_\_\_\_
- RED HAND FLARE. Expiration date \_\_\_\_\_
- RED HAND FLARE. Expiration date \_\_\_\_\_
- WHITE HAND FLARE. Expiration date \_\_\_\_\_
- WHITE HAND FLARE. Expiration date \_\_\_\_\_
- WHITE HAND FLARE. Expiration date \_\_\_\_\_
- WHITE HAND FLARE. Expiration date \_\_\_\_\_
- ORANGE SMOKE FLARE. Expiration date \_\_\_\_\_
- ORANGE SMOKE FLARE. Expiration date \_\_\_\_\_

White hand held flares are not SOLAS approved but are available. All recall issues are resolved.

- 4.24 Heaving line (50 ft min length) readily accessible cockpit.  \_\_\_\_.
- 4.25 Cockpit knife strong, sharp sheathed attached by a lanyard shall be provided readily accessible in cockpit.  
 \_\_\_\_
- 4.26 Storm & heavy weather sails.  \_\_\_\_

## **Section 5.0 – PERSONAL EQUIPMENT**

The person in charge shall insure that each crew member is equipped as follows:

- 5.01 Each crewmember shall have lifejacket with whistle attached.  \_\_\_\_.  
A whistle and location light shall be attached to each lifejacket.  
(Type 1 USCG approved PFD / Inflatable PFD British or Euro approved.)



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- 5.02 Safety harness for each person on board.  \_\_\_\_\_.  
Tether and/or safety line for each person board.  \_\_\_\_\_.
- 5.04 Foul weather suit for each crewmember.  \_\_\_\_\_
- 5.05 Knife for each crewmember.  \_\_\_\_\_
- 5.08 Man-Overboard Practice. Practice may be performed during the season.  \_\_\_\_\_

## **Section 6.0 - TRAINING**

The requirements of section are deleted and replaced with the following:

- 6.01 The skipper of each boat shall have CPR and first Aid training.
- 6.02 The skipper of each boat shall be familiar with and discuss the following topics with the entire crew.
  - 6.02.1 The location, care and maintenance of safety equipment on the boat.
  - 6.02.2 Setting and lower heavy weather sails.
  - 6.02.3 Damage control and repair situations including rudder loss, collision, mast loss.
  - 6.02.4 Heavy weather crew routines.
  - 6.02.5 Man overboard prevention and recovery.
  - 6.02.6 Giving assistance to other craft including towing, repairs and medical.
  - 6.02.7 Search and Rescue organization and methods.
  - 6.02.8 Weather forecasting. (Race forecast)
  - 6.02.9 VHF Communication. (How to send an emergency call.)

I have inspected the above named boat and certify that all of the equipment and safety gear noted above is on board and in good working order. I further certify that we have, in the last three months, conducted a man overboard practice, discussed man overboard procedures and discussed other emergency procedures with the crew.

"I hereby declare that I am the owner or person in charge and that I have read and understood the Category 2 Special Regulations and in particular 1.02.1, 1.02.2 and 1.02.3. I conducted a inspection of my boat and certify that all of the equipment and safety gear noted above is on board and in good working order."

\_\_\_\_\_  
PRINT NAME

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE



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## **OYRA EXCEPTIONS/ADDITIONS TO CATEGORY 2 ISAF SPECIAL REGULATIONS GOVERNING OFFSHORE RACING FOR MONOHULLS & MULTIHULLS**

The following exceptions and additions are made part of the Category 2 requirements:

ABS Certificate is not required.

For boats less than 30' the requirement for lifelines and pulpits is waived provided jackstays are installed and crew wear harness and tether at all times.

For boats 30' and under and stock boats without a fitted bucket is acceptable.

Cooking stove is not required, unless original equipment.

Emergency water requirements are waived but at least 2.4 gallons of water must be carried. For boats less than 30' the water tank securely installed and discharging through a pump requirement is waived.

Boats under 30' must have one manual bilge pump operable with all seat hatches and companionways shut.

Emergency navigation lights wattage requirements are waived but not the requirement for the lights and power.

The requirement for permanently installed propulsion engine and fuel tanks are waived for boats under 30'. Outboard engines and fuel for eight hours of operation meeting the performance specifications are required.

Masthead antenna requirement is waived.

For local races the requirement for a life raft is waived. For designated long distance Off Shore Races, a life raft capable of carrying the entire crew which must have a valid annual certificate from the manufacturer or an approved agent certifying that it has been inspected and stating the official capacity of the raft that shall not be exceeded.

The requirement for a storm trysail and storm jib is waived. One heavy weather jib is required.  \_\_\_\_\_. Main sails shall comply with the requirements except that a reefing main is not required on boats that are less than 28' that have adequate trimming devices to handle heavy weather conditions.  \_\_\_\_\_. A topping lift is not required unless part of original equipment.

Grab bag requirements are waived.

EPIRB requirements are waived.

**SEE OYRA TECHNICAL PAGES ON WEBSITE.**

Revised 1/1/2008