

ORCA EQUIPMENT LIST for Coastal Races

For All MULTI-HULL BOATS

- Working Deck Areas shall be comprised of solid decking or synthetic fiber webbing or netting with openings no larger than four (4) inches square. All decking or webbing/netting shall be capable of supporting a minimum of four (4) 160-pound crewmembers in close proximity.
- The perimeter of each Working Area shall be bounded by Pulpits, Lifelines, Safety Nets and permanently mounted jackstays to which can be clipped one or more moveable Jacklines each of which is attached to a wearable personal harness.
- Lifelines shall be fabricated from stainless steel wire or from synthetic line with the equivalent strength of a 1/8-inch 7x19 coated stainless steel wire. Lifelines shall be supported by sturdily attached stanchions, 24 inches high above underlying solid decks (18 inches high on boats less than 31 feet LOA), no more than 7 feet apart (except in the case of aka-to-main-hull connections on a Trimaran, the spans of which cannot exceed 7 feet).
 - Instead of a stanchioned lifeline across the forward beam on a catamaran, a headstay bridle will suffice.
 - A tiller crossbar is acceptable as a rear lifeline if it will withstand a 200 lb. lateral pull.
 - Lifelines may extend downward to deck-level attachments at the bow and/or stern provided Pulpit and Safety Net Rules in that area are also met.
- Pulpits at minimum lifeline height shall be provided at the bow area on the main hull of a Trimaran.
- Working Deck Areas not protected by lifelines shall be protected by Safety Nets. These shall be fabricated of line capable of supporting a falling 200-pound person and have no openings larger than 6-inches square. Safety Nets shall extend horizontally a minimum of three (3) feet from adjacent Working Deck Areas they protect.
- If the Lifelines option is not employed, each crewmember shall have a readily available Harness Assembly aboard and be able to share in the use of a permanently affixed Jackstay(s) system appropriate to the platform and on-deck structures of the boat. Pulpit and Safety Net requirements will also be in force.
- On boats with Bowsprits, control of the moveable tack points of roller-furling headsails or gennakers must take place on an adjacent protected Working Deck Area. Crewmembers shall not be required to work any tack device that is more than one arm's length from the protected Working Deck Area.
- The mainsail must be reefable.
- The boom must have a minimum swing of sixty (60) degrees/side, unobstructed by standing rigging.
- Hulls must be joined by adequate structures
- For boats with rotating masts, provisions shall be made that the mast will stay in place under adverse sea conditions.
- A functioning engine with a minimum of one (1) horsepower per five hundred (500) pounds of rated loaded weight and capable of being mounted for use within one minute. Minimum engine size is five (5) horsepower).
- Fuel for a minimum of four (4) hours cruising.
- Two (2) functioning anchors of a size commensurate with the size of the boat with at least 15' of chain and 100' of line each.
- BOAT LWL (ft) MINIMUM CREW

20.0-30.0	3
30.1-49.0	4
>49.1	5
- Crash Bag – a waterproof “capsize safety pack” or waterproof “capsize compartment” secured in an easily accessible area (after capsize) which contents will include but not be limited to a VHF radio and three (3) flares plus seven (7) non-expired projectile or rocket flares or Very pistol with seven (7) shells.
- A minimum of two quarts per crewmember per day for three (3) days of water or other potables must be stored aboard in sealed containers. One-half of this supply must be drinking water and must be readily available to the crew.
- Man Overboard Pole/Life Ring Assembly as shown at the end of this document (a MOM is an acceptable substitute).

- A functioning 25W VHF marine radio with external antennae with Channels 6, 12, 16, 22A, 68, 69, 71, and 78A.
- Adequate First Aid Kit and First Aid Manual
- One functioning whistle for each crewmember

One lung-powered fog horn as a backup to the USCG Sound Producing device

- Two functioning flashlights or electric lanterns plus one functioning pocket size waterproof flashlight or strobe light for each crewmember
- Bosun's Chair or climbing harness
- Adequate tool kit
- Appropriate charts and current functioning navigation equipment to satisfy the requirements of the race
- Adequate functioning bilge pump
- Radar reflector for emergency use
- One adequate marine type compass and one secondary compass
- Liability Insurance - \$30,000 minimum
- Crew Shelter shall be provided for the rated crew number. Shelter shall provide a minimum of 3'6" headroom over a minimum of six (6) square feet of cabin sole. This shelter shall be sufficient to protect crew members from the elements (including, but not limited to, wind, waves, dampness, cold, and sun). Shelter shall be an enclosed structure and shall be accessible through a minimum opening of 18" x 14". A hatch securing this opening must be such that it can be opened from the inside. Shelter shall have adequate ventilation

- Crew Accommodations – Bunk sleeping space shall be provided for half the rated crew requirement rounded up to the nearest whole person. A bunk is defined as:
 - An area sufficient to shelter a fatigued or injured crewmember from the elements and allow sleep in relative comfort
 - Accessible enough to allow a second crewmember to tend to an injured crewmember
 - Large enough to accommodate the largest crewmember
 - Elevated sufficiently above the sole/bilge/floor of the boat that the bunk, bedding, and its occupant not get wet in heavy sea conditions
- Sufficient inflatable, functional life raft(s) capable of taking crew off under adverse sea conditions. The rule is applicable to all non-positively buoyant boats. Otherwise, for a positively buoyant boat, a life raft is not required
- A stove is required and it shall be able to boil two quarts of water in a reasonably short time
- Adequate sheltered food storage capacity must be available
- A lead line or a fathometer is required

