



THE 2005 BERMUDA ONE-TWO

THE OFFSHORE COMMITTEE
GOAT ISLAND YACHT CLUB, LTD. • NEWPORT YACHT CLUB
PO BOX 488, NEWPORT, RHODE ISLAND 02840 • USA

NOTICE OF RACE

Organizing Authorities: Goat Island Yacht Club, Ltd. and Newport Yacht Club

1. OBJECTIVE OF THE 2005 BERMUDA ONE-TWO

1.1. The 2005 BERMUDA ONE-TWO is intended to be a **sporting event** encouraging seamanship, competition and fellowship among offshore sailors of all nationalities, in the tradition of shorthanded sailing and passage making. While recognizing the inherent danger in the sport, the BERMUDA ONE-TWO is organized so as to emphasize, to promote, and to encourage development of techniques, equipment and technology which will foster safe and seamanlike shorthanded sailing.

2. ORGANIZING AUTHORITY

2.1. The 2005 BERMUDA ONE-TWO is organized by Goat Island Yacht Club, Ltd. and Newport (RI) Yacht Club, with support from the Rhode Island State Yachting Committee, the City of Newport, RI and the Town of St. George's, Bermuda. St. George's Dinghy & Sports Club is the host club in Bermuda.

2.2. Goat Island Yacht Club, Ltd. and Newport Yacht Club reserve the right to make changes to this Notice of Race, including the list of Required Safety Equipment (see Appendix A, page five), at any time. All applicants accepted as Provisional Entrants will be notified immediately in writing of any such changes.

3. RULES

3.1. The 2005 BERMUDA ONE-TWO will be governed by the *Racing Rules of Sailing (RRS)* for 2005-2008, as amended, the US SAILING's prescriptions thereto; the International Rules of the Road (refer to USCG booklet 1690); Inland or International (as appropriate) Regulations (COLREGS) for preventing collisions at sea; this Notice of Race, the Sailing Instructions; and any amendments to any of the aforementioned items.

4. COURSE AND DATES

4.1. The race will consist of two legs. The first leg will be sailed singlehanded from Newport, Rhode Island to the finish line off St. George's, Bermuda, by any course. The second leg will be sailed doublehanded from St. George's to the finish line off Newport, by any course.

4.2. The start of the singlehanded leg will be on Friday, June 3, 2005. The start of the doublehanded leg will be on Thursday, June 16, 2005.

5. SPONSORSHIP AND ADVERTISING

5.1. The 2005 BERMUDA ONE-TWO is classified as a Category C event, in accordance with the International Sailing Federation (ISAF) Regulation 20, ADVERTISING CODE.

5.2. Entrants may be sponsored or subsidized by commercial interests, but such sponsorship or subsidy may not alter the spirit or objective of the race.

5.3. The BERMUDA ONE-TWO Event Organizers reserve the right to reject any name or logo which it finds distasteful, offensive or confusing in layout. The Event Chairman will give advanced rulings to submitted requests for clarification.

6. ELIGIBILITY

6.1. Yachts must be seaworthy, self-righting monohulls with an enclosed cabin and a watertight, self-bailing cockpit. The yacht's length-on-deck (LOD) shall not exceed 60 feet or be less than 28 feet. All yachts must be fitted with an auxiliary motor. The engine or motor must be capable of propelling the yacht through the water at a speed of not less than five (5) knots.

6.2. Each entering yacht will be checked for compliance with APPENDIX A - REQUIRED SAFETY EQUIPMENT, included with this Notice of Race. The Recommendations for Offshore Sailing Including Offshore Racing Council (ORC) Special Regulations booklet, governing minimum

equipment and accommodation standards for a Category One Race, should be used as a guide in the preparation of each vessel. The ORC regulation regarding scantlings of yachts will not be required in this race. It is strongly recommended that entrants acquire a copy of and become familiar with this booklet, which includes a self-safety check sheet for preparation for offshore passage-making. The ORC Special Regulations booklet may be obtained for a fee by contacting US Sailing, Publications Dept. at (401) 683-0800, or by fax at (401) 683-0840, or by writing US Sailing, PO Box 1260, Portsmouth, RI 02871-6015 USA, or purchased through their website www.ussailing.org.

6.3. The BERMUDA ONE-TWO Event Organizers reserve the right to exclude any yacht from the race due to inadequacies in design or preparation, which could impair the seaworthiness of the vessel and/or safe passage of the skipper and crew.

6.4. The yacht entered need not be owned by the skipper; however, the skipper is required to complete a qualifying passage with the yacht, as described in paragraphs 8.2 and 8.3 of this Notice of Race.

6.5. The single handed skipper need not sail the double handed leg, but the double handed skipper must submit all required evidence of qualification (see paragraphs 8.2 and 8.3) to the BERMUDA ONE-TWO Event Organizers.

6.6. Any past entrant to the BERMUDA ONE-TWO who plans to enter the race with a yacht other than the one in which he/she has previously competed in the event must complete a qualifying passage (see paragraphs 8.2 and 8.3) with the new yacht.

6.7. The single handed skipper and at least one of the double handed crew must be 21 years of age or older. However, provisional skippers under 21 years of age may petition BERMUDA ONE-TWO Event Organizers to rule for a variation of this eligibility requirement. Documentation of skipper's competency must be submitted in writing to the Event Chairman for review.

6.8. The skipper and/or crew for the double handed leg can be substituted at any time before 2000 hours on Monday, May 30, 2005, but this in no way alters any of the qualification requirements.

7. ENTRY INFORMATION AND FEES

7.1. An entrant whose application is approved and accepted by the BERMUDA ONE-TWO Event Organizers will be accepted as a Provisional Entrant.

7.2. The entry fees for the 2005 BERMUDA ONE-TWO are \$300.00 for unsponsored yachts and \$450.00 for sponsored yachts. These fees are non-refundable unless the Event Organizers decide upon review of entry materials that an applicant is not acceptable. Entry applications must be fully completed - including fees, resumes of sailing experience and waiver signatures of both skipper and crew - and returned to the 2005 BERMUDA ONE-TWO, c/o The Offshore Committee, Newport Yacht Club, PO Box 488, Newport, RI 02840 by 2400 hours on Saturday, May 14, 2005. Applications for provisional entry will only be accepted on the official 2005 BERMUDA ONE-TWO ENTRY FORM; make all checks should be made payable to NEWPORT YACHT CLUB.

8. ENTRANCE QUALIFICATIONS

8.1. With the 2005 BERMUDA ONE-TWO ENTRY FORM, each skipper and crew member must submit a brief but concise resume of his/her offshore and general boat handling experience - including direct experience with the yacht being entered in the series - by 2400 hours on Saturday, May 21, 2005. Exception: submission of a resume and entry qualifications for a double handed leg skipper and or crew member may, with notification and the permission of the BERMUDA ONE-TWO Event Organizers be postponed until 2000 hours on Monday, May 30, 2005.

8.2. Entrants qualifying as skippers on both or either leg are required to complete a single handed passage in open water - under sail and by wind power only - of not less than 100 miles in length and in duration of not less than 24 hours aboard the yacht they will enter into the BERMUDA ONE-TWO. Participation in a single handed race of at least 100 miles in length and using the boat to be entered in the series may be acceptable, upon review by the Event Organizers, as a qualifying passage.

8.3. Qualifying passages must be completed by 2400 hours on Monday, May 23, 2005. As evidence of satisfactory completion of this passage, entrants qualifying as skippers must submit copies of a comprehensive log which conforms to good nautical practice, and which shows progress and positions - logged at 6-hour intervals - throughout the passage. The Event Organizers must receive the aforementioned documentation no later than 2000 hours on Monday, May 30, 2005.

8.4. Crews for the double handed leg need not have sailed a qualifying passage together, but the designated skipper must have fulfilled all requirements as described in paragraphs 8.2 and 8.3, and the crewmember must provide the Event Organizers with documented offshore experience.

8.5. Upon the successful completion of payment of all fees due, receipt of all required qualification materials, completion of the required safety equipment check, and fulfillment of all the entry requirements detailed in this Notice of Race and its attachments, a Provisional Entrant will become an Official Entrant. Should an entrant be found to have submitted false or deliberately misleading information about his/her sailing experience or about his/her qualifying passage, the entrant will be disqualified and the entry fee automatically forfeited.

8.6. While it is no longer a mandatory requirement for qualification, in the interest of safety for all competitors it is strongly recommended that qualifying skippers have a basic understanding of celestial navigation. It is also strongly recommended but not required that a sextant, adjusted timepiece or celestial charts, and a second position-fixing device be carried on board while racing.

9. REQUIRED SAFETY EQUIPMENT

9.1. Refer to APPENDIX A - REQUIRED SAFETY EQUIPMENT of this Notice of Race, and to those guideline references made in paragraph 6.2 of this Notice of Race.

10. REQUIRED SAFETY EQUIPMENT CHECK

10.1. Each first-time provisional entrant (or returnee with a different boat) must have his/her boat available in Newport, RI for a required safety equipment check by the Safety Committee by 0900 hours on Monday, May 30, 2005. Each returning provisional entrant must have his/her boat available in Newport for a required safety equipment check by 0900 hours on Tuesday, May 31, 2005. Each skipper will be solely responsible for scheduling an appointment for his/her yacht's safety equipment check with the Safety Committee Chairman; complete information on this procedure will be supplied to Provisional Entrants prior to Monday, May 30, 2005.

10.2. Any returning provisional entrant who is competing with a vessel previously sailed in a BERMUDA ONE-TWO event may arrange with prior knowledge and consent of the BERMUDA ONE-TWO Event Organizers -to have the required safety equipment check performed on their boat prior to Tuesday, May 31, 2005.

10.3. At least one member of the BERMUDA ONE-TWO Safety Committee will board and examine the condition of each provisionally-entered yacht with regard to suitability, equipment and safety gear, as itemized in APPENDIX A - REQUIRED SAFETY EQUIPMENT of this Notice of Race, using said APPENDIX A as the basis for the required safety equipment check.

10.4. Any vessel not passing her required safety equipment check by 1200 hours on Thursday, June 2, 2005 may be either disqualified from or penalized time on the single handed leg. If an applicant has any questions regarding the suitability of his/her vessel, then he/she is urged to contact the BERMUDA ONE-TWO Event Chairman in sufficient time to permit an advisory opinion or ruling by both the Safety Committee and Event Organizers.

11. RACE NUMBERS

11.1. Upon receipt of his/her application, each Provisional Entrant will be assigned a race number for the entering yacht. Previous entrants to the BERMUDA ONE-TWO may request a prior race number when submitting their entry applications. New entrants may also request a particular race number, but such requests are subject to a "first come, first assigned" basis.

11.2. The yacht's race number must be displayed in block letter-type digits of least 18 inches in height, be of a contrasting color to the hull, and be mounted on the hull forward of amidships. Alternately, the race number may be displayed on weather cloths rigidly attached between deck and top lifeline abaft of amidships. Each yacht is also required to display its race number in block letter-type digits of least 18 inches in height laid horizontally on a section of the forward deck or cabin roof. The digits must be in a contrasting color to the deck, and must be clearly visible from the air above the boat.

12. OTHER REQUIREMENTS, RESTRICTIONS, LIMITATIONS AND RESPONSIBILITIES

12.1. All tanks for transferable ballast and storage of transferable stores must be within the interior of the hull and below main-deck level. A maximum of 10 degrees static heel is permitted.

12.2. For each leg, entrants will be required to keep a running log - documented in 6-hour intervals, times indicated in EDST - using materials, which will be supplied along with the Sailing Instructions to all competitors by the BERMUDA ONE-TWO Race Organizers. The Skippers' Log Books - which will include all required reporting forms and race information for the event - will be made available to both Provisional and Official Entrants beginning at 1200 hours on Wednesday, June 1, 2005 at Event Headquarters.

12.3. Only the wind may be used to propel the yacht. The yacht's propulsion engine may be used **ONLY** in emergencies or to charge batteries. When the engine is used for whatever purpose, the time of use in EDST, duration of run-time and reason must be recorded in the vessel's running log.

12.4. Entries returning on the double handed leg must retain on board all equipment and safety gear required for the single handed leg and be provisioned to meet requirements for crew safety as detailed in APPENDIX A - REQUIRED SAFETY EQUIPMENT. Any damage or loss of required equipment, which may occur during the single handed leg, must be repaired or replaced before starting the double handed leg. It is the responsibility of each skipper to report such loss or damage to the Race Committee upon arrival in Bermuda. Any loss or damage should also be noted in the vessel's running log.

12.5. No stores or gear may be received from other vessels or aircraft after the start of either leg or before either leg's finish.

12.6. Any entrant can put into any harbor and may power or be towed to and/or from such harbor for a distance not to exceed two (2) nautical miles. Neither such tow nor such use of auxiliary power may advance the position of the yacht towards the finish line, and any such tow or engine used must be duly reported in the vessel's running log.

12.7. It will be deemed a possible violation of The Racing Rules of Sailing Rule 2 (Fair Sailing) and Rule 41 (Outside Help) for any yacht to receive exclusive, private or subscribed information on weather, currents (including Gulf Stream reports), or favorable course routing after the preparatory signal for her class. However, communication on open radio channels with other competitors is strongly encouraged, and may

consist of information such as current position and both weather and sea conditions. Also, it is requested that contestants attempt to report their positions(s) twice daily. Such communication should also be recorded in the vessel's running log. Note that public accessible websites are not considered Outside Help.

12.8. Upon finishing each leg, each skipper and crew member will be required to sign a declaration of compliance, confirming that the yacht sailed the race in conformity with all its rules and conditions, and to submit said declaration, along with their Skipper's Log Book, to the Race Committee.

12.9. It will be the sole responsibility of each skipper to decide if weather conditions are such that he/she feels capable of starting at the prescribed time with his/her class.

12.10. In the event a vessel withdraws from the race - for whatever reason - the skipper must make all attempts to notify the Race Committee immediately. In the event that the Race Committee cannot be contacted directly, the skipper must make all attempts to contact fellow competitors, so that withdrawal information may then be conveyed to the Race Committee during scheduled "chat hours." Upon making landfall, the Race Committee shall be notified at the skipper's earliest opportunity to relay his/her status and point of entry ashore.

12.11. All Official Entrants will be required to attend the single handed leg Skippers' Meeting & Weather Briefing in Newport, to be held at 1400 hours on Thursday, June 2, 2005, and the double handed leg Skippers' Meeting & Weather Briefing in Bermuda at a date and time to be announced.

13. HANDICAPPING, TIME ALLOWANCES, CLASSES AND SCRATCH SHEETS

13.1. The 2005 BERMUDA ONE-TWO will be sailed using PHRF spinnaker ratings, as determined by 2005 Performance Handicap Rated Fleet of Narragansett Bay (PHRF-NB) guidelines. Applications for a 2005 PHRF-NB Rating Certificate may be obtained by contacting Patricia Beausoleil at PHRF-NB, PO Box 73, Bristol, RI 02809 USA (phone: 401-253-0207, Monday-Friday 9:30 am-3:30 pm EST; fax: 401-254-1495, 24-hours). The 2005 PHRF-NB form and instructions will be available for downloading from the PHRF-NB website www.phrf-nb.org mid February. Entrants are strongly advised to submit their PHRF-NB Rating Certificate applications by no later than Friday, March 25, 2005 so as to allow adequate time for processing.

13.2. A copy of a valid 2005 PHRF-NB certificate must be submitted to BERMUDA ONE-TWO Race Organizers before a Provisional Entrant can be declared an Official Entrant, and must be received by no later than 2000 hours on Monday, May 30, 2005. Entrants are advised that the conditions, specifications and limitations on the yacht's PHRF rating certificate carry the full force of the rules, and violation can result in disqualification.

13.3. There will be no time limit set for finishing either leg of the BERMUDA ONE-TWO.

13.4. Any yacht starting either leg AFTER her class starting time will be considered to have started at the official starting time for her class.

13.5. Scratch sheets detailing the composition fleet classes will be distributed at the Skippers' Meeting on Thursday, June 2, 2005 at Event Headquarters.

13.6. The Event Organizers will use its best discretion in attempting to provide a sport boat class, regardless of the rating of the yachts entered. Potential entrants should recognize that some yachts could therefore fall into the category of either cruiser/racer or sport boat, and would allow an entrant to elect in which class he/she would compete. Requests to change classes must be made and submitted in writing by the entrant to the Event Chairman at Event Headquarters by 1400 hours on Thursday, June 2, 2005. The decision will apply to BOTH legs of the race.

14. PENALTIES AND REFUSALS

14.1. The BERMUDA ONE-TWO Race Organizers reserve the right to impose - after a hearing - a time penalty, a delayed start, or a disqualification for any infraction which they deem to be an infringement of the letter or the spirit of the rules or conditions of the BERMUDA ONE-TWO.

14.2. The BERMUDA ONE-TWO Race Organizers reserve the right to refuse or reject any entrant at any time before or during the event for any infraction which they deem to be an infringement of the letter or the spirit of the rules or conditions of the BERMUDA ONE-TWO.

15. PRIZE AWARDS

15.1. Prizes will be awarded to winning skippers and crew members in all classes and categories in Award Presentation Ceremonies in St. George's (at a date and time to be announced), and in Newport on Friday, June 24, 2005 at 1600-1800 hours.

15.2. Prizes for each leg will be given to the first skipper in each class to finish on elapsed time; to the first three (3) skippers in each class on corrected time for each leg; and to first three (3) skippers in each class with the best combined corrected time for both legs. To be eligible for a prize in the combined corrected time category, a yacht must have been sailed by the same skipper on both legs. Awards for the double handed-leg crewmembers will also be given to the first three (3) boats in each class. Each skipper who qualifies as an Official Entrant will receive a participatory award.

15.3. Assorted perpetual and class finish trophies will also be awarded to skippers for both legs, both in Newport and St. George's, based on the criteria required for each, as decided upon by the BERMUDA ONE-TWO Race Organizers, the Fleet, and the Race Committees. Additional special awards or prizes may be presented at the discretion of the Race Organizers.

Roy H. Guay, Event Chairman

The 2005 Bermuda ONE-TWO Notice of Race, List of Required Safety Equipment, and Tentative Calendar of 2005 Bermuda ONE-TWO Events are also available on The BERMUDA ONE-TWO web site at **www.bermudal-2.org**

For more information, please write:
2005 BERMUDA ONE-TWO, c/o The Offshore Committee
Newport Yacht Club, PO Box 488, Newport, RI 02840 USA

VERSION: 1/4/2005

2005 BERMUDA ONE-TWO APPENDIX A — REQUIRED SAFETY EQUIPMENT

Refer to Sections 6, 9 and 10 of the Notice of Race

Every yacht entering the 2005 BERMUDA ONE-TWO is required to carry specific safety equipment as defined in this **Appendix A — Required Safety Equipment** and as referred to in paragraph 6.2 of the Notice Of Race. Compliance to these requirements will be verified by an on-board safety equipment check by members of the BERMUDA ONE-TWO Safety Committee.

Passing the safety equipment check is mandatory in order to become an Official Entrant and a starter on the singlehanded leg. Note: if you do not have all equipment required for the doublehanded leg on board during your safety equipment check in Newport, you will be subject to an additional safety equipment check in Bermuda prior to the start of the doublehanded leg.

Skipper: _____
(PLEASE PRINT)

ABANDON SHIP EQUIPMENT

- _____ (1) A self-inflating liferaft with a certificate of inspection date no earlier than June 30, 2005, and stowed in an accessible location. The liferaft should have a means of making the floor insulated if the liferaft is of the single-floor type.
- _____ (2) Life raft certificate; at the safety equipment check, you must be able to provide the following information:
- | | |
|---------------------------|--------------------------|
| (3) Inspection date _____ | (4) Capacity Limit _____ |
| (5) Raft make _____ | (6) Serial # _____ |
| (7) Color _____ | (8) Canopy color _____ |
- _____ (9) An abandon ship survival kit, containing the the following items must be either incorporated in the liferaft package or carried as a separate watertight package:
Sea anchor or drogue for the raft, pump or bellows to top off air pressure in the raft, raft repair kit,
(2) paddles, bailer, signal mirror, (2) flashlights with spare batteries and bulbs, one of which should be a watertight, spotlight-type with a powerful beam, (2) Cyalum sticks (not green), (3) red parachute flares, (3) red hand-held flares, (3) orange smoke signals, space blanket, medical kit, food rations, (2) can openers, fishing kit, knife, drinking cup, and handheld VHF radio in watertight packaging.
- _____ (10) One or two sealed containers carrying at least four (4) gallons of water shall be carried separately from the vessel's water supply. Both the abandon ship survival kit and the water must be readily accessible in an emergency. USCG-approved water packets are permitted in lieu of one or two sealed containers. If a water still is carried, the water kit requirement is reduced to two gallons.
- _____ (11) Distress signals, stowed in a watertight container and with an expiration date no earlier than July 1, 2005:
- Four (4) red parachute flares (SOLAS type) — note: 12 are recommended.
 - Four (4) red hand-held flares, USCG approved.
 - Two (2) orange smoke signals, USCG approved.
 - Four (4) white hand-held flares, USCG approved.
- _____ (12) A minimum of one registered 406 EPIRB with a battery expiration date not before July 1, 2005. At the required safety equipment check, you must be able to provide the following information:

- (13) Make/Serial # _____
- (14) Battery Date _____

_____ (15) Two (2) USCG-approved Class I lifejackets, each with a light and whistle.

DECK SAFETY EQUIPMENT

- _____ (16) Safety harnesses meeting ORC specifications for each crew member and jacklines (wire, rope or webbing) with sturdy attachment points and running unobstructed the length of each sidedeck along with a means of clipping on before going on deck from the cabin.
- _____ (17) Adequate, taut lifelines and pulpits.
- _____ (18) One securely-mounted radar reflector, in place at all times on both legs.
- _____ (19) Self-steering system capable of steering the boat on any point of sail.
- _____ (20) An emergency tiller must be carried by any yacht with wheel-equipped steering. However, ALL skippers must be able to jury-rig an alternative method of steering in case of rudder or steering system failure and be prepared to demonstrate same to the courtesy inspector.
- _____ (21) Man-overboard pole and flag with horseshoe life ring (mandatory for doublehanded leg). A certified Man Overboard Module (MOM) with inspection date not prior to June 30, 2004 is an acceptable alternative.
- _____ (22) A second rigid-type throwable PFD or Lifesling — mandatory for doublehanded leg.
- _____ (23) Heaving line (mandatory for doublehanded leg) and a cockpit knife.
- _____ (24) Two (2) anchors with suitable rodes ready for immediate deployment and stowed in such a location aboard the vessel.
- _____ (25) One foghorn, and at least one spare canister for compressed powered horns if a compressed powered horn is used.
- _____ (26) Ship's bell.
- _____ (27) Navigation lights, as required by International Navigation Rules (COLREGS), plus battery-powered emergency backup lights or seperatly powered navigation lights. A masthead tricolor light is recommended and may serve as the emergency light if the boat is equipped with alternative running lights, and both deck-level and masthead lights have separate circuitry and power source. The proper display of navigation lights, according to COLREGS, are required from dusk to dawn.
- _____ (28) Two (2) flashlights with spare batteries and bulbs, one of which must be a watertight, spotlight-type with a powerful beam.
- _____ (29) A means of reefing the mainsail so that it is capable of being reefed to at least 55% of its unreefed area.
- _____ (30) Two (2) halyards per mast.
- _____ (31) Cockpit companionways that extend below main-deck level must be capable of being effectively blocked off to main-deck level and hatchboards must be capable of being secured and released from both inside and outside.
- _____ (32) Storm shutters or covers are required for any portlight with an area exceeding two (2) square feet.
- _____ (33) Two (2) strong buckets with attached lanyards.

BELOWDECK SAFETY EQUIPMENT

- _____ (34) Two (2) manual bilge pumps required with handles attached— one operable from the cockpit with all hatches and cockpit seats secured.
- _____ (35) A minimum of ten (10) gallons of fresh water in fixed tanks in addition to that required for the “abandon ship” survival kit, plus an adequate food supply.
- _____ (36) Fuel sufficient to permit 150 miles or 20 hours of engine use at normal cruising rpm, in addition to the amount of fuel needed to charge batteries.
- _____ (37) Two (2) USCG-regulation fire extinguishers.
- _____ (38) Soft wood plugs of a proper size, located adjacent to all through-hull fittings.
- _____ (39) Medical kit (in additionto the one specified in the abandon ship survival kit, if packed in liferaft.)
- _____ (40) Shut-off valves for all fuel tanks.
- _____ (41) Sufficient tools and materials for emergency repairs to hull, ports, rigging, engine and sails.
- _____ (42) A method of severing or releasing standing rigging if dismasted, including a minimum of one (1) hacksaw and a minimum of five (5) new blades. Drift punches are recommended to remove any rigging clevis pins.
- _____ (43) Heavy equipment such as batteries, anchors, stove, tools, etc. are to be secured so they remain in place in the event of a capsze.
- _____ (44) A means of charging batteries (with an adequate fuel supply for ten (10) days plus 20 hours independent of cruising range as per number 36 above).

NAVIGATIONAL EQUIPMENT

- ____ (45) One (1) adjusted primary steering compass with deviation table, and one (1) backup compass.
- ____ (46) Depth sounder or lead line.
- ____ (47) Speedometer, distance log or distance measuring device (ie. GPS or DGPS).
- ____ (48) Charts, tables, publications, and instruments necessary for ocean navigation.
(As a minimum paper charts 5161, 26343, 26341, 13223, 13218, 13205 and 12300 are required.)
- ____ (49) At least one method of navigation electronic or mechanical. While it is no longer required, it is strongly recommended that a sextant, adjusted timepiece and celestial charts be carried aboard, along with a second position-fixing device. All types of radio and electronic aids to navigation are permitted.
- ____ (50) A durable stoaage chart showing the location of the following, as a minmium, onboard the vessel:
flares, life raft, thruhulls, medical kit, anchors, toolbox, fuel shutoff, lifejackets, life raft, emergency steering system, spare parts, fire fighting devices, bilge pump locations

Please indicate which devices apply to this vessel.

(51) LORAN _____ (52) RADAR _____ (53) GPS _____ (54) OTHER _____

COMMUNICATION

- ____ (55) A VHF radio with spare emergency antenna and a handheld waterproof (as stated by the manufacturer) VHF are required.
- ____ (56) The availability of Channels 13, 16, 72 and 73 on the VHF radio(s).
- ____ (57) Alternative methods of communication. A single sideband radio and cellular telephone are recommended.

At required safety equipment check, you are to indicate which devices apply:

- (58) Single Sideband Radio _____
- (59) Handheld VHF Radio _____
- (60) Ham Radio _____ (61) (Call Letters: _____)
- (62) Cellular Telephone _____ (63) (Phone No.: _____)
- (64) COMSAT _____ (65) (Contact Code: _____)
- (66) OTHER (describe) _____

Skipper's Signature: _____

Checker's Signature: _____