



## The Twentieth Marion-Bermuda Cruising Yacht Race Preliminary Notice of Race

Revision date: May 5, 2015

**Start: Friday, June 19, 2015**

### 1. ORGANIZING AUTHORITY AND SPONSORS

- a. The Organizing Authority (OA) is the Marion-Bermuda Cruising Yacht Race Association, Inc. (MBCYRA).
- b. The race is supported by:
  - The Beverly Yacht Club (BYC), Marion, Massachusetts,
  - The Royal Hamilton Amateur Dinghy Club (RHADC), Paget, Bermuda,
  - and
  - The Blue Water Sailing Club (BWSC), Boston, Massachusetts.

### 2. RACE DESCRIPTION

- a. The race will start in Buzzards Bay off Marion, Massachusetts, and finish off St. David's Head, Bermuda. The race will start on Friday, June 19, 2015 with the first warning signal scheduled for 1200 EDT. The start may be postponed if unusually heavy weather is predicted.
- b. The Marion-Bermuda Race is categorized as a US Sailing Ocean Race. It is a race of long distance, well offshore and in waters with strong winds, large waves, and currents, where yachts must be completely self-sufficient for extended periods of time, capable of withstanding heavy storms and prepared to meet serious emergencies where rescue may be delayed.

### 3. SPIRIT AND OBJECTIVES

- a. Since its inception in 1977, the Marion-Bermuda Race has been a Corinthian event, and yachts are accepted by invitation. The spirit of the race is that all yachts and crew are participating for the joy and pleasure of sailing, competition, and the camaraderie that accompanies such an offshore event.
- b. The race provides an opportunity for cruising yachts and amateur crews to participate in an ocean race and a rendezvous in Bermuda. It encourages the



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development of blue water sailing skills on seaworthy yachts that can be handled safely offshore with limited crew.

### 4. RULES

- a. The race will be governed by:
  - The *Racing Rules of Sailing* (RRS) 2013-2016,
  - This *Notice of Race* (NOR),
  - The 2015 Marion-Bermuda Cruising Yacht Race *Sailing Instructions*,
  - The *Marion Bermuda Cruising Yacht Race Safety Requirements*,
  - The *Offshore Racing Association Offshore Racing Rule* (ORR).
- b. Links to web sites containing the rules listed above and other relevant information can be found on the MBCYRA website <http://www.marionbermuda.com/links>.
- c. The Sailing Instructions may change any of these documents as permitted by the RRS. It is the intention of the OA to post the Sailing Instructions on the Race website by May 4, 2015.
- d. The Sailing Instructions will permit a Compliance Committee and the Protest Committee to grant time allowances and to assess time penalties in lieu of disqualification.
- e. Decisions of the Protest Committee shall be final, in accordance with RRS Rule 70.4.
- f. Advertising will be limited to ISAF Category A in accordance with ISAF 20.3.
- g. In this document and the Sailing Instructions the word "skipper" refers to the "person in charge" according to RRS 46.

### 5. YACHT ELIGIBILITY, EQUIPMENT, AND SAIL REQUIREMENTS

- a. Generally speaking, seaworthy monohull yachts appropriate for an Ocean Race as defined in The US Safety Equipment Requirements (USSER) between 32-foot and 100-foot long with fixed keels, immovable ballast, an enclosed head, and a cabin fitted-out for comfortable cruising are eligible for the Race.
- b. The race will be divided into three Divisions:
  - The Founders Division for yachts 32 to 80 feet that wish to race with a cruising sail inventory,
  - The Big Yacht Division for yachts 65 to 100 feet that wish to race with a full inventory of sails,
  - The Classic Yacht Division for American Sail Training Association (ASTA) that are registered training vessels and classic yachts.
- c. See Attachments A, B and C respectively for the detailed yacht, equipment, and sail requirements for each division as well as a description of the prizes and trophies available for that division.



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- d. The OA reserves the right to assign yachts to Divisions and Classes based upon their handicap and certain other criteria such as the sail area to displacement ratio.

### 6. NAVIGATION, WEATHER AND ELECTRONICS

- a. Each yacht must keep a log in a logbook and make entries at least once each watch. The log should show courses, distances made good and dead-reckoning (DR) positions. The logbook must be on paper and have a traditional format. The logbook and all navigating work, plotting sheets and celestial sight reduction forms, if applicable, must remain on-board and be available for inspection in Bermuda by our Compliance Committee.
- b. Professional weather routing services, professional Gulf Stream predicting services and other private communications for routing purposes are permitted prior to 1700 on the evening before the start of a yacht's division and are prohibited after that time. This restriction also applies to yacht-to-yacht or yacht-to-shore transmissions for routing purposes.
- c. Except for the above restriction, yachts may use any communication device including VHF, cell phone, satellite telephone or SSB. There are no restrictions on obtaining information over the Internet provided that the information is in the public domain and is not specific to individual yachts.
- d. Any information received from ashore via email, blogs, telephone, radio transmissions, etc., relating either to your or to a competitor's position is considered "assistance from the shore" and is prohibited by RRS 41.

### 7. ENTRY PROCESSES AND FEES

- a. Yachts must enter the Race by using the online system accessible on the Marion Bermuda Race website <http://www.marionbermuda.com/>. All race-related correspondence, including requirements for written notice, or questions about the eligibility of your yacht, may be conducted by email addressed to the Race Administrator at [race@marionbermuda.com](mailto:race@marionbermuda.com).
- b. Entry closes on June 6, 2015 and all information required on the entry forms must be completed by then. Early registration is encouraged to help with the logistics planning for this international race. Registration documents may be completed prior to payment of the Entry Fee.
- c. The Entry Fee is \$950 for Yacht and Skipper plus \$50 for each additional crewmember. The entry fee for a service academy or University sailing club is \$475 plus \$50 for each additional crewmember. After April 20, 2015, the Entry Fee is \$1,100 plus \$50 per crewmember.



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- d. When the Entry Fee is received, the yacht will be considered for acceptance by the Acceptance Committee. Once an entry has been accepted, the skipper will be notified and the Entry Fee will become non-refundable. In the event the entry is not accepted, the entry fee will be returned promptly.
- e. The Entry Fee includes professional briefings on weather and the Gulf Stream at the Skipper's meeting and an on-call professional medical diagnosis and consulting service provided by the George Washington University Maritime Medical Access Facility during the Race and your return passage. The Entry Fee also includes use of the transponder for the position tracking system during the Race.

### 8. ON-SITE REGISTRATION AND SKIPPER'S MEETING

- a. Either the Skipper or Navigator must complete the yacht registration processes at BYC before 1400 on Thursday, June 18, 2015 or pay a late registration fee of \$200. The registration desk's schedule will be as follows  
Tuesday, June 16, 2015 0900-1800  
Wednesday, June 17, 2015 0900-1800  
Thursday, June 18, 2015 0900-1400  
In addition, yachts may register "early" on Sunday June 14, 2015 or Monday, June 15, 2015 by making an appointment well in advance with the Race Administrator ([race@marionbermuda.com](mailto:race@marionbermuda.com)).
- b. At on-site registration the Skipper or Navigator must verify that the detailed information entered in the online registration system is complete and accurate and that all waivers have been signed.
- c. At on-site registration you will receive the tracking transponder, the final copy of the *Sailing Instructions*, customs and immigration forms, and information about Bermuda.
- d. We will host a mandatory Skipper's Meeting on Thursday, June 18, 2015 at 1700. The Skipper or Navigator must attend the entire meeting; failure to do so may result in penalties added to your corrected time. The Meeting will include briefings on weather, the Gulf Stream and approaches to Bermuda. These briefings are the only ones sponsored by MBCYRA. Up to two (2) other crewmembers are welcome to attend.

### 9. PRIZES AND TROPHIES

- a. Prizes and Trophies will be awarded on Saturday June 27, 2015. The time and place will be provided in the sailing instructions.
- b. The **BWSC Board of Governors Trophy** will be awarded to the yacht from any division with the shortest elapsed time.



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- c. **The Robert N. Bavier, Jr. Seamanship-Sportsmanship Trophy** may be awarded to any registered yacht in any Division at the discretion of the MBCYRA Trustees in recognition of truly outstanding seamanship or sportsmanship, independent of a yacht's finishing position.
- d. Commemorative Bulkhead Plaques will be awarded to each yacht that finishes the race.
- e. See attachments A, B and C respectively for the Prizes and Trophies that may be awarded in each Division.

### 10. SKIPPER'S RESPONSIBILITY AND WAIVER OF CLAIMS

- a. As a condition of entry:
  - The Skipper must electronically sign the *Race Waiver* required by the online registration system.
  - The Skipper and each crewmember must electronically sign the *Release of Liability* required by the online registration system.
  - The skipper must submit electronically or in hardcopy an MBCYRA *Equipment Inspection Checklist*, signed by an Inspector, indicating the yacht has passed inspection.
- b. The safety of a yacht and her crew is the sole and inescapable responsibility of the Person in Charge who must:
  - Do his best to ensure that the yacht is fully found, thoroughly seaworthy and manned by an experienced crew who have undergone appropriate training and are physically fit to face bad weather.
  - Be satisfied that hull, spars, rigging, sails and all gear are sound.
  - Ensure that all safety equipment is properly maintained and stowed and that the crew knows where it is kept and how it is to be used.
  - Nominate a person to take over the responsibilities of the Person in Charge in the event of his incapacitation.
- c. Neither, the establishment of the Marion Bermuda Cruising Yacht Race Safety Regulations, their use by race organizers, nor the inspection of a yacht under these Regulations in any way limits or reduces the complete and unlimited responsibility of the Person in Charge.
- d. The responsibility for a yacht's decision to participate in a race or to continue racing is hers alone – RRS Fundamental Rule 4.
- e. Neither the organizers nor the sponsoring clubs bear responsibility for accidents, damage or injuries to yachts or their personnel arising from any cause before, during, or after the race. Refer to RRS 67, particularly US Sailing's prescriptions.



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### ATTACHMENT A FOUNDERS DIVISION REQUIREMENTS

#### A1. YACHTS

- a. Yachts must have an enclosed cabin and be fitted out for comfortable cruising, including permanent bunks, a permanently installed and enclosed toilet, and permanently installed cooking facilities suitable for use at sea. Her hull length, exclusive of spars or projections fixed to the hull, such as bowsprits or pulpits, must be between 32.0 feet and 80.0 feet. Fixed keels are required. Moveable ballast is not permitted. Yachts will be, in the judgment of the Acceptance Committee, of a design of demonstrated seaworthiness and appropriate for a long distance, well offshore ocean race.
- b. Yachts shall meet the "Marion Bermuda Cruising Yacht Race Safety Requirements" (see Attachment E).

#### A2. OTHER EQUIPMENT

- a. The following additional equipment is required to be on-board:
  - A copy of the 2013-2016 RRS.
  - A copy of the "Marion Bermuda Cruising Yacht Race Safety Requirements".
  - A federal VHF radio station license, which is mandatory for international travel.
  - Docking equipment for use in Bermuda, including at least five (5) fenders, four (4) dock lines, and a marine power cord at least 100 feet long.
- b. The following additional equipment is allowed but not required:
  - Mechanical or electro-mechanical steering devices.
  - Power-driven winches. This modifies RRS 52.
  - An AIS transceiver.
- c. The following consumables must be on-board at the start:
  - Sufficient fuel in permanently installed tanks to motor at least 250 miles.
  - At least 10 gallons of fresh water per person.
  - Sufficient provisions for the crew for at least 14 days.
- d. All ordinary cruising gear, such as cabin tables and galley equipment, shall be on-board and in its usual cruising position during the race.



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### A3. SAILS

- a. Each yacht may carry one (1) mainsail, three (3) jibs or forestaysails, one (1) mizzen, one (1) mizzen staysail, an unlimited number of heavy weather or storm sails and two (2) spinnakers of the same type (asymmetric or symmetric) and same approximate size.
- b. At least one storm jib and one heavy-weather jib shall be aboard. Color patches are required on each side of all storm sails. We strongly recommend that the yacht's sail number be displayed on the patches.
- c. Two headsails may be flown simultaneously, subject to the limitations in RRS 50.
- d. A forestaysail is permitted only if the yacht has a professionally installed inner forestay and the sail has been declared on the handicap rating form.
- e. For safety reasons, a whisker pole's length will not be longer than 105% of the yacht's "J." Adjustable whisker poles will be secured so that they cannot be extended beyond this limit. When in use, whisker poles shall be attached to the mast, as described in RRS 50.2.
- f. A yacht may elect to use a spinnaker attached at the centerline or a spinnaker (symmetrical or asymmetrical) on a pole but not both as declared in her registration.
- g. If a yacht chooses to use a center line attached spinnaker, the tack line of the spinnaker may be attached to the stem of the yacht, to the bowsprit, or to the end of a sprit that is permanently installed at the bow for that purpose, but may not be attached to a spinnaker pole
- h. Mizzen spinnakers, and bloopers may not be used
- i. Sail "numbers" (which may be letters or numbers) must be at least two (2) characters long and are required on weather cloths if used, mainsails, spinnakers, and headsails having a luff-perpendicular measurement exceeding 130% of the base of the fore triangle. National letters; e.g., USA or BER, are not required. This changes RRS 77, and RRS Appendix G.
- j. The yacht's number will be displayed at all times while racing.
- k. Other sails may be on-board but should be boldly marked "NOT FOR RACING."

### A4. INSPECTIONS AND COMPLIANCE

- a. Before the Race the Skipper shall arrange a mutually acceptable time and place for a mandatory courtesy yacht inspection by a Race Inspector. The initial inspection must be completed by June 6, 2015.
- b. All deficiencies noted in the inspection shall be corrected before a yacht is permitted to complete on-site registration in Marion. Having your yacht inspected well before the deadline is strongly recommended.
- c. The "Equipment Inspection Checklist" and a list of authorized Inspectors will be available on our website by September 1, 2014.



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- d. Inspections do not assure that a yacht is seaworthy or capable of extended offshore passages, nor are they a substitute for a proper marine survey.
- e. At the completion of the Race each Skipper or Navigator must file a signed MBCYR *Certificate of Compliance* with the RHADC Duty Officer. A copy of the *Certificate of Compliance* will be posted on the website.
- f. After the Race a number of yachts, particularly prize candidates, will be inspected by the Compliance Committee Inspectors in Bermuda.

### A5. SKIPPER AND CREW

- a. The Skipper and crew shall have a demonstrated competency for a long distance ocean race. This means that enough of the crew to adequately manage the yacht shall have had prior experience with offshore passages or races of at least 250 miles.
- b. Except for the Double-Handed yachts, each yacht must have a minimum of three crew members.
- c. A complete crew list shall be submitted by May 12, 2015 as part of the electronic registration process. Changes after that date must be submitted in writing and are subject to approval by the Acceptance Committee.
- d. The Skipper must be a member of his or her national yacht racing authority, such as US SAILING or the Bermuda Yachting Association. The race is open to all ISAF Group Classifications that are fully in keeping with the Spirit of the Race. See NOR Section 3. Questions about crew eligibility will be referred to the Acceptance Committee before the committee will extend an invitation to enter the race.
- e. Direct or indirect remuneration beyond covering direct expenses and simple remembrances to a captain or crew for the express purpose of participating in this race is specifically prohibited.
- f. If a yacht has a regular full-time paid captain or crewmember, this one person is allowed on the yacht during the race but shall take no active part in sailing, steering or navigating the yacht unless there is an emergency. The full-time paid captain or crew may act as the cook and perform yacht maintenance. Any participation of the paid captain or crew in sailing, steering or navigating the yacht during the race must be fully described in the yacht's *Certificate of Compliance*.
- g. A minimum of thirty percent (30%) of all crew members including at least two (2) of the following – Skipper, navigator, watch captains – shall have attended a sanctioned Safety-at-Sea Seminar within five (5) years prior to the start of the race. For Double-Handed yachts, both crewmembers shall meet this requirement.





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### A6. HANDICAPPING AND SCORING

- a. All yachts must have a current Off-Shore Rating Rule (ORR) handicap certificate that may be based upon either full or partial measurement. We will obtain handicaps directly from US Sailing and will use a Time-on-Time rating customized for the Marion Bermuda Race.
- b. A yacht may choose to compete with no spinnaker, with a spinnaker attached on the centerline or with a spinnaker (asymmetric or symmetric) on a pole. A yacht may not choose to use both a centerline and poled spinnaker. If a yacht chooses to carry two spinnakers, the dimensions of both must be submitted to US Sailing. The yacht's choice must be declared on their entry form prior to May 22, 2015 and the yacht's rating certificate must match this selection.
- c. A yacht may elect to race using celestial navigation. If a yacht elects to be celestially navigated, she will receive a 3% favorable adjustment to her ORR rating. This election must be made by May 22, 2015. See Attachment D for the details of the conditions that a yacht must meet to be considered a celestially navigated yacht.
- d. A yacht must have her ORR rating certified by US Sailing before June 10, 2015. If she is late having her rating certified she may be subject to a finish time penalty.
- e. Yachts will be divided into Starting Classes of similar performance characteristics based upon their ORR rating. Each starting class will have its own starting time.

### A7. RACES WITHIN THE RACE

- a. There are several "races within the race" which require prior notification for a yacht to be eligible for the appropriate Special Prize or Trophy.
- b. **The Family Race** A "family" yacht is one with a crew of five (5) or more with all or all-but-one being members of a single household or a single family. Persons related to a common grandparent and spouses of these will be considered "family." A regular full-time paid captain or crewmember is not allowed on a "family" yacht. Election to enter this race must be made on or before May 22, 2015.
- c. **The Offshore Youth Challenge** A "youth" yacht is one with at least 4 youths aboard with at least 66% of the crew qualified as youths. A youth sailor must be 16 years of age or older but not more than 23 years old by June 18, 2015. One or more adults at least 23 years old by June 18, 2015 must be onboard. Election to enter this race must be made on or before May 22, 2015.
- d. **The Double-Handed, Short-Handed Competition and All-Female Crew Races** Yachts sailing with a crew of two (2), a crew of three or four (3 or 4) or an all-female crew may elect to compete in the double-handed, short-handed, and all-female competitions respectively. A regular full-time paid captain or



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crewmember is not allowed on a double-handed or short-handed yacht. Election to enter these races must be made on or before May 22, 2015.

- e. **The Team Race** Established Yacht Clubs or Sailing Clubs may form a team of three member yachts to compete for the Team prize. The club's Commodore must submit an application naming the yachts forming the team by June 13, 2015. The team whose three yachts have the lowest corrected time total will be declared the winner.

### A8. PRIZES AND TROPHIES

- a. Prizes and Trophies will be awarded to yachts based upon their ORR corrected time unless otherwise described. Corrected times will be adjusted for starting time and time credits or penalties at the decision of the Compliance Committee or the Protest Committee. Other prizes may be awarded at the discretion of the Race Committee.

**Overall Trophies:** The following trophies will be awarded to yachts in the Founders Division regardless of their Starting Class.

**Founders Trophy**

The yacht with the best overall corrected time.

**BYC Polaris Trophy**

First celestially navigated yacht.

**Navigator's Trophy**

Navigator of the first celestially navigated yacht.

**Class Trophies:** The following trophies will be awarded in each starting class.

**First, Second and Third Place Trophies**

First, Second, and Third place based upon corrected time.

**Cook's Trophies**

To the cook of the last yacht in each starting class to physically finish.

**Special Prizes and Trophies:** These prizes and trophies were established to foster competition in other ocean races designed for cruising yachts and between crews, teams, and yachts of similar design. These prizes and trophies will be awarded if there are three (3) or more yachts starting the Race in the category or at the discretion of the Race Committee.

**L. Bryon Kingery, Jr. Memorial Trophy**

First "short-handed" yacht, one with three (3) or four (4) people



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### **Double-Handed Trophy**

aboard.

First yacht with a crew of two (2) sailors.

### **Beverly Family Trophy**

First “family-crewed” yacht.

### **Commodore Faith Paulsen Trophy**

First yacht that is crewed entirely by females.

### **Offshore Youth Challenge Trophy**

To the first “Youth” yacht

### **Kingman Yachting Center Team Trophy**

To the established yacht club or sailing club whose team of three (3) yachts has the lowest combined corrected time.

### **“Mini-class” Trophies**

First yacht in each mini-class. When three (3) yachts of similar hull design or same manufacturer start the race, they may constitute a “mini-class,” regardless of their Skipper’s Starting Class.

### **Bartram Trophy**

Best performance by a US service academy, maritime college or ROTC yacht.

### **Ancient Mariners Golden Teapot Trophy**

Awarded to the crew having the highest average age who finishes the race.

### **Bermuda Ocean Cruising Yacht Trophy**

Awarded to the Skipper who has the best finish in consecutive Marion-Bermuda and Newport-Bermuda Cruising Division Races.



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### **New England Offshore Racing Trophy**

Awarded to the Skipper who has the best finish in consecutive Marion-Bermuda and Stonington, CT to Boothbay Harbor, ME Races.

**Regional and Club Trophies:** Awarded to yachts that have not received an Overall Trophy. Only one Regional or Club trophy will be awarded per yacht.

### **Adams Bowl**

A New England yacht.

### **Deborah Anne Domenie Memorial**

A New York, New Jersey or Connecticut yacht.

### **Naval Academy Trophy**

A Chesapeake Bay yacht.

### **Corporation of Hamilton Trophy**

A Bermuda yacht.

### **Town of Marion Trophy**

A Buzzards Bay yacht.

### **Commodore's Cup**

A Blue Water Sailing Club yacht.

### **Bermuda Longtail Trophy**

A Beverly Yacht Club yacht



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### ATTACHMENT B BIG YACHT DIVISION REQUIREMENTS

#### **B1. YACHTS**

- a. Yachts must meet the requirements of A1 except they must be between 65 and 100 feet overall.

#### **B2. OTHER EQUIPMENT**

- a. Yachts must meet the requirements of A2.

#### **B3. SAIL REQUIREMENTS**

- a. Yachts may use any sails in their inventory but they must comply with the restrictions in ORR 10.02.1.
- b. At least one storm trysail, one storm jib and one heavy-weather jib shall be aboard. Color patches are required on each side of all storm sails. We strongly recommend that the yacht's sail number be displayed on the patches.
- c. Sails other than those permitted by the ORR rules may be aboard provided they are stored separately and boldly marked "NOT FOR RACING."

#### **B4. INSPECTION AND COMPLIANCE**

- a. Yachts must comply with the requirements of A4.

#### **B5. SKIPPER AND CREW**

- a. The skipper and crew must meet the requirements of A5.

#### **B6. HANDICAPPING AND SCORING**

- a. All Yachts must have a current Off-Shore Racing Rule (ORR) handicap certificate, which may be based upon either full or partial measurement and must use the sail inventory that will be used in the race. We will obtain handicaps directly from US Sailing and will use the Time-on-Time rating customized for the Marion Bermuda Race.
- b. A yacht must have her ORR rating certified by US Sailing before June 4, 2015.
- c. Yachts may be divided into Starting Classes of similar performance characteristics based upon their ORR rating. Each Starting class will have its own starting time.



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### **B7. PRIZES AND TROPHIES**

- a. The **Big Yacht Trophy** will be awarded to the yacht with the best-corrected time.
- b. Second and Third place prizes will be awarded to the yachts with the next best corrected times.



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### ATTACHMENT C CLASSIC YACHT DIVISION REQUIREMENTS

#### C1. YACHTS

- a. Entrants in this Division must be a class B, C or D ASTA training vessel with an ASTA/Sail Training International rating or a classic yacht that has or can obtain an ASTA rating.

#### C2. SAFETY

- a. Vessels in this division must comply with ASTA rules and be US Coast Guard Subchapter R Certified.

#### C3. SAILS

- a. Any sails listed in the ASTA rating certificate may be used.

#### C4. INSPECTIONS AND COMPLIANCE

- a. Vessels do not have to comply with the requirements of A4a to A4d.
- b. However, vessels must comply with A4e-A4f.

#### C5. CAPTAIN AND CREW

- a. Any vessel in the race may have up to five (5) professionals – a Licensed Captain, a cook, and three (3) watch captains.
- b. All others in the crew must be amateur or trainee sailors.
- c. If the normal crew does not comply with this requirement, prior approval of the Acceptance Committee is required before a vessel will be permitted to race.

#### C6. HANDICAPPING AND SCORING

- a. The ASTA handicapping method will be used.

#### C7. PRIZES

- a. The vessel with the best-corrected time will be awarded the **Captain Ed Williams Trophy**.
- b. Second and Third place prizes will be awarded to the yachts with the next best corrected times.



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### ATTACHMENT D CELESTIALLY NAVIGATED YACHT CLASSIFICATION REQUIREMENTS

- D1.** A yacht with a navigator skilled and experienced in celestial navigation at sea may elect to compete using celestial navigation. This election must be made on or before May 22, 2015.
- D2.** Yachts that elect to compete using celestial navigation will be awarded a favorable 3.0% adjustment to their ORR rating. The adjustment will be calculated in the following manner:

Celestial ORR rating = (ORR rating\*.97) rounded to 3 decimal places  
(a five in the fourth decimal place will be rounded up)

- D3.** During the race a yacht's location must be determined by traditional star, sun, or moon sights. All navigating work, sight recordings, paper plotting sheets, and a paper chart showing derived locations, must remain on-board and be available for inspection in Bermuda by our Compliance Committee. The Compliance Committee may ask a navigator or responsible crew member to demonstrate how locations on the chart were derived from the sight data.
- D4.** The following electronic navigation devices may be used throughout the race:
- Speedometer and log. (A GPS may not be used to determine boat speed or velocity made good.)
  - Compass and depth finder.
  - Wind speed and direction indicator.
  - Radio receiver and radio direction finder.
  - Radar.
  - Calculators or computers for reducing sights or computing courses.
  - Temperature indicating devices.
  - Voice recorders.
- D5.** Viewing or downloading any information that can be used to derive the yacht's position is strictly prohibited. Any yacht sailing in the Celestial Division that chooses to receive AIS data from another vessel shall log each such occasion and must state in the Compliance Report that in no instance (other than an emergency) were the coordinates of that vessel recorded and or otherwise used to determine or infer the position of his/her yacht. In lieu of recording each vessel encountered, the AIS display may be masked to prevent seeing any Lat/Long information.





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- D6.** Downloading free, publicly available weather or ocean current information is allowed.
- D7.** Electronic positioning devices, such as GPS, may be used within 20 nautical miles of the United States and 50 nautical miles of Bermuda. If, on approach to Bermuda, a celestially-navigated yacht turns on a GPS or other electronic positioning system before finishing, she must determine and show on her *Certificate of Compliance*, the time she turned on her GPS or other electronic device, her dead-reckoning position or celestial fix, the position shown on her electronic device, and the bearing and distance to the Kitchen Shoal Beacon. The Compliance Committee may impose a time penalty if the electronic fix places the yacht substantially greater than 50 nautical miles from Kitchen Shoal Beacon.
- D8.** All uses of electronic positioning devices by a celestially navigated yacht will be fully documented and included in the yacht's *Certificate of Compliance*.
- D9.** If the Compliance Committee determines a yacht, which elected to be navigated celestially, has not complied with these conditions, the Committee may impose a time penalty.
- D10.** If a yacht, which elected to be navigated celestially, converts to electronic navigation during the race, she will incur a time penalty determined by the Compliance Committee.