

The Spirit of Bermuda Charity Rally

<https://spiritofbermudarally.org/>

Event Host (EH): East End Mini Yacht Club, St. George's, Bermuda

Sailing Instructions (FINAL)

1. RULES

- 1.1. The race shall be governed by the *rules* as defined in The Racing Rules of Sailing (RRS).
- 1.2. For all classes power-driven winches and mechanical or electro-mechanical steering devices are permitted. This changes RRS 52.
- 1.3. When boats meet between sunset and sunrise, for the purposes of keeping clear, they should act with the expectation that if they come within two of the longer boat's overall length of each other, the protest committee will conclude that the right-of-way boat needs to take avoiding action and the other boat is, therefore, not keeping clear.
- 1.4. Boats are strongly encouraged to review the International Regulations for Preventing Collisions at Sea (IRPCAS or COLREGS) carefully before the race. Certain areas of the course includes narrow channels and traffic separation zones where the right-of-way rules between vessels are quite different than when racing boats meet under the RRS. Often under the IRPCAS, a sailing vessel is the give-way vessel and must take clear action well in advance to avoid close-quarters situations. Note also that the Chesapeake Bay is subject to inland rules until boats cross the COLREGS line at the mouth of the bay.
- 1.5. Motoring is allowed if desired but to be scored in the Rally, a yacht must report to the Scorer each time they turn the motor on or off along with their position and time for each event per Section 5.2.
- 1.6. RRS 41(c) is replaced with: "Help in the form of information freely available to all boats even if that information is only accessible at a cost. However, such 'at a cost' help shall not include private forecast or advice, or information customized for a particular boat or group of boats and/or her/their situation," except prior to the start of the
- 1.7. RRS 63.7, Conflict between Rules, is replaced by, "If there is any conflict between any *rule* and a *rule* in the sailing instructions, the sailing instructions shall take precedence, subject to the restrictions of RRS 86.1.

2. PRE-RALLY CONF CALL BRIEFING AND NOTICES TO PARTICIPANTS

A pre-rally skipper briefing is scheduled for 1500 EDT on July 5, 2020 on Google Meet. The invite has been sent to each skipper.

Notices to Participants will be posted on the Official Notice Board located on the Yacht Scoring web site: <https://yachtscoring.com/emenu.cfm?eID=12987>

3. CHANGES TO SAILING INSTRUCTIONS

Any changes to the SIs will be posted on the Official Notice Board before 1200 EDT on the day of the race.

4. STARTING AND FINISH 2 LOCATION

- 4.1. There will be two starting areas:
- 4.2. The “West Line” will be along the longitude 75° 30.0w between latitudes 36° 50.0n and 36° 51.0n
- 4.3. The “North Line” will be along the latitude 40° 12.0n between longitudes 71° 10.0w and 71° 11.0w
- 4.4. These same two Starting Lines defined in 4.1 & 4.2 are also the “Finish 2” Lines and a yacht may finish at its original Start Line or at the other Start Line if it so chooses.

5. COMMUNICATIONS FOR STARTS AND FINISHES AND FOR MOTORING

- 5.1. Communication of the position and time of crossing the starting line or finish line by means of YB messaging will allow the Scorer to determine the most accurate time for the voyage. If not done, the Scorer will attempt to interpolate but with a degree of conservativeness to ensure fairness to others.
- 5.2. Motoring is allowed per Section 1.5 but to be scored, the yacht must communicate in near real-time via YB messaging “Motor ON” or Motor OFF” with position and time of the event. This will allow the Scorer to subtract out the segments with motor on.
- 5.3. Communications of these YB messages should be done in a way that has the YB system provide the position and time of the tracker at the time the message was sent. The message should be START, FINISH, START 2, FINISH 2 and MOTOR ON or MOTOR OFF. Any other messaging is not required but might be helpful as back up for other means of communications of status, intentions or troubles.
- 5.4. The YB messaging must be sent to with YB generated position and timestamp to the Scorer: larry@teamadventure.org or to +1-617-968-8100. PLEASE TEST THIS PRIOR TO LEAVING.

6. START and FINISH 2

The scheduled time of the start for all yachts shall be 1500 EDT on July 6, 2020 but a yacht may start anytime from 1400 to 1600 EDT on July 6.

7. THE COURSES

- 7.1. The Courses will be from each starting location to Bermuda, leaving Bermuda and its reefs always to starboard. There will be a “Rally to Bermuda” (RTB), a “Rally from Bermuda” (RFB) and a “Rally around Bermuda” (RAB) which is the combination of the scores in both the RTB and RFB. The Start and Finish 2 locations are defined in section 4.
- 7.2. Rally To Bermuda: From the starts defined in section 4, leaving Bermuda and its reefs to starboard, including all Marks (defined in section 8) left on the required side, the Finish is defined in section 11 near the sea buoy marking the entrance to Town Cut at St. George’s.
- 7.3. Rally From Bermuda: The Start 2 (re-start) location is also defined in section 11 (the same as the Finish line of the RTB) and leaving Bermuda and its reefs to starboard, including all Marks (defined in section 8) left on the required side, the Finish 2 will be at the same locations as the Starts of the RTB as defined in section 4. A yacht may finish the RFB at the other Finish if it desires, but should make that intention known to the Scorer.
- 7.4. Rally Around Bermuda: The RAB will be the combination of the RTB and RFB and will allow for stops in Bermuda (or not) by excluding the time of any stop the yacht chooses to make in

Bermuda. The Start 2 time from Bermuda may be at the yacht's choosing based on their stopover plans and the scoring will normalize the weather differences.

- 7.5. Stopover in Bermuda: yachts may choose to stop in St. George's Harbour, Bermuda. [Bermuda Yacht Services](#) will welcome yachts and provide berthing and provisions, subject to government regulations and permissions in operation at the time of arrival.

8. MARKS

8.1. The following marks near the Islands of Bermuda shall be passed on their required side:

Marks Clockwise@Bda	Latitude	Longitude	Type/Characteristics	Leave
North Rock	32 28.520n	064 46.134w	Fl(4) 20s 21m 12M	S
NE Breakers	32 28.732n	064 40.923w	Fl 22s 14m 12M	S
Kitchen Shoals	32 26.081n	064 37.654w	15s 14m 12M	S
Mills Breakers	32 23.954n	064 36.937w	VQ (3) 5s	S
Sea Buoy	32 24.942n	064 36.953w	Mo(A) W 6s 2m	S
BDA F/S West Pin	32 23.000n	064 37.000w	Waypoint	S
BDA F/S East Pin	32 23.000n	064 36.500w	Waypoint	P
Castle Harbour	32 20.500n	064 39.000w	Waypoint	S
Gibbs Hill	32 13.500n	064 51.000w	Waypoint	S
SW Breakers	32 15.000n	064 59.000w	Waypoint	S
Chubb Heads	32 16.500n	065 0.000w	Waypoint	S

9. POSITION REPORTING

- 9.1. Each yacht shall report its position within 5 mins of the top of each hour via YB Tracking using automatic positioning. If a yacht's YB Tracking device stops functioning it shall attempt to use manual pos reports via any means that it can on a schedule of about once per hour but not less than 6 hours frequency if possible.
- 9.2. If these position reports are not possible by electronic means than a check in once per day at noon is required by sat phone or other means of communications.
- 9.3. If no report is received within a reasonable time, the race committee will escalate to the appropriate authorities is it believes there could be trouble on the boat.
- 9.4. If the EH has not confirmed a boat's arrival in Bermuda by 1200 ADT, Monday July 13, 2020 and has not been notified that the boat has withdrawn from the race, a report will be filed with Bermuda Radio noting that the boat is overdue.

10. NOTIFICATION OF WITHDRAWAL

A boat withdrawing from the race shall, at the first available opportunity, notify:

- 10.1. The Scorer/Tracker by YB message, text or telephone at (617) 968-8100 (Larry Rosenfeld)
- 10.2. The Event Host at the EEMYC by text or telephone at (441) 505-5556 (Alan Burland)
- 10.3. Bermuda Radio on VHF channel 16 or SSB 4125 kHz
- 10.4. The report should include:
- 10.5. Her present position
- 10.6. Her intention to withdraw and the reason for her withdrawal

- 10.7. Her intended destination, and her estimated time of arrival.
- 10.8. Any other boat in the race that hears of a boat's withdrawal shall log all information from the reporting boat and, at the first opportunity, pass the information on to the contacts above in 10.1-2

11. THE FINISH AND START 2 (RE-START)

- 11.1. The "Bermuda Line" is along the latitude 32° 23.0n between longitudes 64° 37w and 64° 36.5w and east of the Sea Buoy Mo(A). When a yacht passes the line, it shall send a YB message to the Scorer "Finish" with Position and time.
- 11.2. Yachts must finish leaving Sea Buoy to starboard and are advised to proceed well beyond their estimated crossing of the finish line to ensure that they have actually crossed the line.
- 11.3. All communications with Bermuda Yacht Services will be on VHF channel [72] which may or may not be monitored when a boat finishes.
- 11.4. When a boat is approximately five miles from the Bermuda finish line, Bermuda Yacht Services by radio on VHF channel 72. She shall announce her name, sail number, and her position relative to the finish line and her intentions after finishing.
- 11.5. Boats that have finished shall not re-cross the finish line, but shall continue on around Bermuda or turn into St. George's, keeping well clear of the line and other boats approaching the line.
- 11.6. The Re-Start shall take place at a time of the yacht's choosing anytime after the Finish of the Rally To Bermuda (RTB). The yachts are encouraged to stop in St. George's for a few days or more and just need to let the Scorer know with a few hours notice if possible when they intend to restart. Upon re-start the yacht must send a YB Message to the Scorer containing "START 2" with position and time when crossing the line defined in 11.1 above in the same direction as the yacht was meant to finish the RTB.

12. TIME LIMITS

The time limit for all boats to finish is 1200 ADT on Saturday, July 13 2020. The time limit may be extended at the discretion of the Race Committee due to weather conditions along the course.

13. PENALTY SYSTEM

In an effort to keep things simple, the Rally will not have formulated penalties but a Jury made up of the Event Host and its advisors shall determine if any penalty should be imposed and its determination shall be final. We do not expect anyone to do anything that will rise to the level of a penalty and we expect to maintain a fair and reasonable Rally for all participants. If a yacht feels its score was materially harmed in some way by another boat or the EH, then it may bring it up to the EH within 24 hours of the incident but not later than July 24, 2020. If a yacht does not comply with the rules in some respect, it is expected to report the breach to the Scorer as soon as practical.

14. SCORING

The Scoring employed for the Rally is named the SYRF OFFSHORE SCORING System. Its goal is to provide the fairest scoring with the most flexibility to score participants in a way that accommodates differences in boats, course length and location, weather on the course and starting times. It is based on the inputs which include (1) the yacht's polars (a predicted

model of its speed in all windspeeds, sea states and wind angles). The other inputs are the (2) actual weather across the course (given by the GFS Hour 0 analysis which is produced every 6 hours and interpolated between those times), (3) The RTOFS Current model produced once per day giving the best information about current across the course, (4) a routing algorithm (this Rally uses Expedition's router which is an optimization of the route which gets the boat from point A at a given start time to point B in the fastest time. This is compared to the actual elapsed time and the ratio is then computed to determine the score as a percentage of the theoretical optimum time. This can also be converted to a "corrected time which is a percentage of the winning boat's corrected time which is set equal to its elapsed time. Any questions, please ask the Scorer.

15. RADIO COMMUNICATIONS AND ARRIVAL INSTRUCTIONS

- 15.1. Boats shall maintain a continuous radio watch on channel 16 and contact commercial traffic on channel 13 as may be required for safety.
- 15.2. Communication between other racing boats is permitted on with switch to VHF channel 72. Boats may announce their positions if they wish. This changes RRS 41.
- 15.3. Boats shall notify Bermuda Radio of their approach when they are within 15 miles of Bermuda. Boats making an uncertain landfall should advise Bermuda Radio on VHF channel 16 or 27, before a problem develops.
- 15.4. Upon arrival contact BDA Radio when inbound, they will inform Customs and make arrangements for clearance. More than likely crew will get Covid tests unless it is the middle of the night in which case they will be tested in the morning. Boats will keep Q flags up and remain at anchor until cleared in and allowed to do so by Customs.
- 15.5. After clearing you may contact Bermuda Yacht Services (BYS) on VHF Channel 14. Other contact info for BYS are info@bdayacht.com and phone +1 (441) 297-2798
www.bdayacht.com

16. WEB LINKS

Links for information are:

Rally website and live tracker just prior to Rally start: <https://spiritofbermudarally.org/>
Low-Bandwidth link for participants on Satellite phones <https://yb.tl/Links/spiritofbermuda>
YB Tracker link without real time leaderboard <https://yb.tl/spiritofbermuda>
Race name to use for Expedition YB tracking: spiritofbermuda

17. COMMERCIAL TRAFFIC

- 17.1. A boat shall not exercise right of way, cross in proximity to, or interfere with reasonable transit of the race area by commercial ships, tugs, or barges. Boats must take evasive action well in advance of a potentially dangerous situation.
- 17.2. A boat without way may use any means of propulsion to avoid commercial traffic that is under way provided use of the propulsion is communicated per section 1.5 and 5.2.

18. PRIZES

Prizes will be awarded including the EEMYC Colin Clarke Memorial (Perpetual) Trophy.
Other prizes will be discussed at the pre-race skippers briefing.

19. DISCLAIMER OF LIABILITY

Participants enter and sail in the Rally entirely at their own risk. See RRS 4, Decision to Race. The Event Host, other entities or persons involved do not accept any liability for material damage or personal injury or death sustained in conjunction with or prior to, during or after the rally.