



Sailing Instructions

version 1.1 issued 30 November 2019

(first edition)

Objective

To provide a premier world class ocean race for the participation of qualified ocean racers and cruisers.

Organising Authority (OA)

The Royal Cape Yacht Club (RCYC), under the auspices of South African Sailing (SAS), and with the cooperation of the late Clube do Rio De Janeiro (ICRJ).

1 RULES

- 1.1 The race will be governed by the rules as defined in **The Racing Rules of Sailing (RRS)**.
- 1.2 The following rules will also apply:
 - a) International Measurement System Rule (IMS).
 - b) ORC Rating Systems Rule (ORC International and ORC Club) for monohulls.
 - c) Texel Rating System Rule for multihulls.
 - d) World Sailing Offshore Special Regulations (OSR) for Category 1 (Monohull and Multihull)
 - e) The International Regulations for Preventing Collisions at Sea (IRPCAS).
- 1.3 The rules of RRS Part 2 are replaced by the right-of-way Rules of IRPCAS between the times of local sunset and sunrise. A boat may take a 10 minute time penalty when she may have broken this rule while racing, and shall include full details on her Compliance Declaration Form. This adds to RRS 44.3.
- 1.4 The penalty for a breach of any rule governing or applicable to this race may, at the discretion of the jury, be less than disqualification, including no penalty.
- 1.5 If there is a conflict between languages the English text will take precedence.
- 1.6 No National Prescriptions will apply.
- 1.7 All times given are Bravo Time Zone (B), being UTC+2.
- 1.8 Rule changes:
 - a) Doublehanded monohulls are permitted to use self-steering devices and automatic pilots. This modifies RRS 52.
 - b) Refer to ORC Rating Systems for various changes to RRS (RRS 49.1; 51; 52).
 - c) RRS 78.2 is deleted; valid rating certificates must be presented on entry. Any changes or modifications to certificates must be submitted no later than 1200B 13 December 2019.
 - d) Changes to the RRS in the Notice of Race per NOR 11.2, 12.1 and 12.3.
 - e) The sail limits defined in the table of ORC 206.1 are changed as follows:
 - A spare mainsail may be carried as a bona fide replacement for a mainsail damaged during the race.
 - The applicable combined total of spinnakers and headsails allowed in each CDL column in the table may be allocated at the discretion of the competitor, provided that at least two spinnakers and two headsails are included. (The limit is the combined total of spinnakers and headsails, not the limit of each type.)

2 ADVERTISING

2.1 Advertising, details of which will be set out in Addendum C to the Notice of Race, shall be displayed from registration until the end of the prize giving.

3 NOTICES TO COMPETITORS

3.1 Notices to competitors will be posted on the Official Notice Board (ONB) online at www.cape2rio2020.com

3.2 Courtesy copies of notices to competitors may be emailed to competitors, and displayed on the notice board at RCYC and/or ICRJ.

4 CHANGES TO SAILING INSTRUCTIONS

4.1 Before the start, any change to the sailing instructions will be posted no later than 1900B on the day before the start of the fleet concerned.

4.2 After the start, any change to the sailing instructions will be posted as per clause 3 above.

5 ORC AND TEXEL CERTIFICATES

5.1 All boats shall lodge their final valid ORC or TEXEL rating certificate certificates with the race office at RCYC by 1200B on Friday 13 December 2019.

5.2 All certificates will be displayed on the ONB between 1800B on Friday 13 December 2019 and 1200B on Friday 20 December 2019.

6 THE COURSE

6.1 The course is from the starting line in Table Bay, Cape Town, South Africa, to the finishing line in the approach to Guanabara Bay, Rio de Janeiro, Brazil.

6.2 No boat shall sail south of latitude S37°07'.

7 THE START

7.1 There will be two starts, with the fleets split as posted on the ONB no later than 1200B on 23 December 2019.

a) Start 1: 1400B on Saturday 4 January 2020.

b) Start 2: 1400B on Saturday 11 January 2020.

7.2 The starting line will be between a staff displaying an orange flag on the race committee signal boat at the starboard end and the course side of an orange inflatable buoy at the port end.

7.3 A yellow inflatable limit mark, to be left to starboard, will be laid approximately 50m from the race committee signal boat and approximately on the starting line. Boats shall not sail between this limit mark and the race committee signal boat.

7.4 The location of the starting line within Table Bay will be announced on VHF 06 no later than one hour before the start.

7.5 There may be rounding marks added in Table Bay, as described on the ONB, be announced on VHF 06 no later than one hour before the start.

7.6 If an Individual Recall is signalled, the race committee will attempt to inform the affected boat or boats via VHF 06. However, a failure to do so will not be grounds for redress.

7.7 A boat that is recalled but fails to return and start will incur a 60 minute time penalty. This changes RRS A4.2.

7.8 A boat wishing to start later than 15 minutes after her starting signal may only do so with the permission of the race committee.

8 THE FINISH

- 8.1 The finishing line will be as described on the ONB.
- 8.2 All boats shall maintain radio contact on VHF 72 from 10nm from the finish line until after finishing, so that the boat's identity and finishing time can be positively confirmed.
- 8.3 When finishing between sunset and sunrise, boats shall illuminate their sail numbers to assist the race committee in identifying them.
- 8.4 The skipper of each boat shall record the date and time of finishing in both local time and Bravo time on the boat's Compliance Declaration Form.

9 DECLARATION OF COMPLIANCE

- 9.1 After a boat has finished, her skipper and navigator shall both sign the boat's Compliance Declaration Form, and lodge this form with the race office within 6 hours of finishing.
- 9.2 In exceptional circumstances the race committee may extend this time limit.

10 RETIRING FROM THE RACE

- 10.1 Any boat retiring from the race shall inform the race committee as soon as possible by whatever means possible and is kindly requested to continue reporting per SI11.1.
- 10.2 A boat that retires shall be awarded a finishing place equal to the number of boats finishing in her fleet plus two. This changes RRS A4.2.

11 POSITION REPORTING

- 11.1 Each boat shall report her daily position as at 1400B, by no later than 1800B on that day.
- 11.2 A boat failing to make this report will incur a time penalty of 10 minutes for each report missed.

12 OUTSIDE ASSISTANCE

- 12.1 In the event of illness or injury, or in order to effect repairs during the race, a boat may without penalty enter a port or be moored to receive outside assistance, and may take on equipment and any material needed to carry out repairs. This changes RRS 41.
- 12.2 In these circumstances, a boat shall record the position where she suspended racing, and shall return to that point before continuing to race. While not racing, a boat may use its engine for propulsion. The position, description of the outside assistance and use of motor must be reported on the boat's Compliance Declaration Form.
- 12.3 In the event that a boat fails to return to the point at which she suspended racing, she will be subject to protest by the race committee.

13 CALCULATION OF RESULTS

- 13.1 A boat's Basic Elapsed Time (BET) is the interval between her starting signal and her finishing time.
- 13.2 A boat's Adjusted Elapsed Time (AET) is her BET adjusted by any time allowances granted.
- 13.3 A boat's Basic Corrected Time (BCT) is her AET multiplied by her TCF.
- 13.4 A boat's Adjusted Corrected Time (ACT) is her BCT adjusted by any time penalties declared or imposed.
- 13.5 The ORC TCF will be calculated using the custom course model as defined as follows:

TWS [kt]	8	12	16	The resulting time allowances will account for 20% at 8 knots; 45% at 12 knots; and 35% at 16 knots.
Beat VMG	5%	5%	5%	
60°	5%	5%	5%	
90°	20%	15%	15%	The above scheme takes into account historical wind data for the traditional trade wind routing around the South Atlantic High.
120°	20%	20%	20%	
150°	25%	25%	25%	
Run VMG	25%	30%	30%	

From the ORC time allowances calculated as in table above a single Time on Distance (ToD) coefficient will be calculated. Time on Time coefficient TCF will then be calculated as 600/ToD.

13.6 Under TEXEL, TCF is 100 / TR.

13.7 Actual positions are in ascending order of Adjusted Elapsed Time.

13.8 Handicap positions are in ascending order of Adjusted Corrected Time.

14 PROTESTS AND REQUESTS FOR REDRESS

14.1 Protest forms are available at the race offices located in the RCYC and ICRJ club houses. Protests and requests for redress or reopening shall be delivered there within the appropriate time limit.

14.2 The protest time limit for each boat is 24 hours before her scheduled starting time for protests lodged in Cape Town, and 3 hours after she finishes for protests lodged in Rio. However, the time limit for protests concerning measurements or ratings is 0800B on 23 December 2019.

14.3 Notices will be posted on the ONB, as soon as possible after a protest or request for redress or reopening is lodged, to inform competitors of hearings in which they are parties or named as witnesses. Hearings will be held in the protest rooms located as described on the ONB.

14.4 Notices of protests by the race committee, technical committee or jury will be posted to inform boats under RRS 61.1(b).

14.5 After 1800B Friday 31 January 2020, a request for redress based on a jury decision shall be delivered no later than 30 minutes after the decision was posted. This changes RRS 62.2.

15 CHARTS

15.1 The following paper charts shall be carried onboard:

SAN 5	Cape Town to Rio de Janeiro
SAN 118	Cape Columbine to Table Bay
SAN 1013	Approaches to Table Bay
BA 553	Approaches to Rio de Janeiro
BA 566	Baia de Guanabara (Rio de Janeiro and Niteroi)

15.2 The following paper charts, or their electronic equivalents, are also recommended to be carried onboard:

SAN 1002	Approaches to Luderitz
SAN 1004	Walvis Bay Harbour
SAN 1005	Approaches to Walvis Bay
SAN 1014	Table Bay
BA 3970	Rio de Janeiro to Ilha de Sao Sebastiao
BA 3971	Cabo de Sao Tome to Rio de Janeiro
BA 1769	Islands and Anchorages in the South Atlantic Ocean

16 FURTHER INFORMATION

16.1 For further information please contact:

The Race Chair, Cape to Rio 2020, PO Box 772, Cape Town, 8000, South Africa

Email: info@cape2rio2020.com

Telephone: +27 (0)21 421 1354

Website: www.cape2rio2020.com

Facsimile: +27 (0)21 421 6028

Facebook: www.facebook.com/Cape2Rio

Instagram: www.instagram.com/cape2rio2020

16.2 Race Committee and Jury:

Race Administrator Simone Balman

Race Officer: John Martin

Safety Officer: Paul van Tellinghen

Jury Chair: David Hudson

Race Chair: Luke Scott