



Channel Sailing Club

2019 Notice of Race & General Sailing Instructions (“SI”)

Channel Sailing Club (“CSC”) has pleasure in presenting the following programme of races for the 2019 season. An Entry Form (Appendix 1) must be signed by each yacht owner (or owner’s representative) and submitted to the Racing Secretary before the yacht can be accepted to race. The races will be run using the Royal Yachting Association (“RYA”) National Handicap for Cruisers (“NHC”) Rolling Handicap System.

The intention is to hold 16 races in the 2019 series. The numbers of discards will be as follows: eight or less races – one discard, nine races – two discards, ten to 12 races – three discards, 13 to 16 races – four discards. The Wooden Spoon race results cannot be discarded. Non-discarded results will count towards the Championship. There will also be one non-championship race, the Round the Island Race (“RTIR”).

The CSC Championship Trophy will be awarded to the winner of the Championship. The yacht showing the greatest improvement in racing performance during each season (Championship winner excluded) will be awarded the Le Harlequin Trophy. This is subject to the yacht having entered at least three championship events. The RTIR Trophy will be awarded to the first CSC boat, using the CSC handicap valid at the time of the race, to finish in the RTIR. To be eligible the boat should have competed in at least one CSC event prior to the RTIR, have at least one CSC member on board during the race, its skipper should have signed these SI and their time have been officially recorded by the racing authority of RTIR.

All competing boats must complete and return to the race officer on the day a form found in Appendix 2 of these Sailing Instructions (or provide the same information using other means, e.g. text message or email on the day of the race). Boats that do not provide this information will be scored DSQ for the race in question.

The Championship races are:

Date	Race	Race no.	Race Officer
13 -14 April	Long Race x 2	1,2	Jeremy John
27-28 April	Navigators Race	3	Paul Airey
18-19 May	Two Handed	4	David Murch
1-2 June	Mini Regatta (4 races)	5 - 8	Alick Fraser
15 – 16 June	Passage races x 2	9,10	Teresa Hemingway
13-15 July	Cross Channel Race	11	Mark Hawkins
7 -8 September	Wooden Spoon & return	12,13	CCRC/Simon Davey
28-29 September	Passage Races	14,15	Peter Thomas
12 -13 October	Pursuit Race	16	Oleg Lebedev

Non-Championship Race

The RTIR is on Saturday 29 June 2019. Boats may enter individually or as a team.



THE SAILING INSTRUCTIONS

All races will be sailed under the International Sailing Federation (“ISAF”) Racing Rules of Sailing (“RRS”) and the RYA prescriptions, together with the rules of the CSC, these Sailing Instructions and the Racing Instructions specific to each race.

Members’ attention is drawn to the RRS RULES PART 1 - FUNDAMENTAL RULES.

1. APPLICABLE RULES

- 1.1. The safety of a yacht and its entire management including insurance shall be the sole and inescapable responsibility of the owner/competitor racing the yacht. The establishment of these Sailing Instructions in no way limits or reduces the complete and unlimited responsibility of the owner/competitor for his crew, his yacht and the management thereof.
- 1.2. The Race Organisers shall not be liable for any loss, damage, death or personal injury howsoever caused to the owner/competitor, his skipper or crew, as a result of their taking part in the race or races. Moreover, every owner/competitor warrants the suitability of his yacht for the race or races.
- 1.3. **Decision to race** - A yacht is solely responsible for deciding whether or not to start or continue racing - RRS Fundamental Rule 4.
- 1.4. Penalties at the time of an incident (Rules 44.1 & 44.2) will apply.
- 1.5. A yacht which infringes a racing rule or sailing instruction, penalties for which are not otherwise covered by these rules, shall be penalised one or more places as determined by the Race Committee.
- 1.6. All times shown in the Race Instructions represent Local Time.

2. RYA CHARTER

- 2.1. CSC organises its races in accordance with the RYA Racing Charter and competitors are expected to conform to it. The RYA Racing Charter and its application can be found on the RYA Racing Charter web page and at the front of the RYA edition of the Racing Rules of Sailing 2017-2020.

3. RATINGS AND HANDICAPS

- 3.1. Yachts that have participated previously in the CSC racing will race under the handicap calculated following the last appearance. New participants will start racing using the Base Number as determined under the RYA National Handicaps for Cruisers.
- 3.2. Full details are available from the Racing Secretary.

4. SOUTHAMPTON BY-LAWS & ENVIRONMENT

- 4.1. Yachts shall comply with current regulations regarding the Southampton water area of concern and moving Prohibited Zone.

5. PROHIBITED AREAS

- 5.1. Unless otherwise stated in Racing Instructions yachts may only use the Dolphin as a passage through the submerged barrier North of Horse Sand Fort (as shown on the Admiralty Chart) and must otherwise pass to the North or South of the barrier.
- 5.2. Yachts shall not anchor or kedge in: The Mining Ground areas NE of Ryde Sand; the area between the shore and the three beacons off Stone Point and Stansore Point (near 50 47’N 01 20.5’ W)



6. FLAGS

- 6.1. Ensigns must not be worn during racing defined as from the start of the Preparatory signal. The Club Racing Pennant or Club Burgee should be flown from the backstay.
- 6.2. Immediately after retiring or finishing yachts must hoist their ensigns and lower their racing flags.

7. STARTING LINE

- 7.1. The Starting Line will be defined in the Race Instructions. This will generally be a line at approximately right angles to the direct course line between the starting mark and the first mark of the course.
- 7.2. When the Committee Boat is in use the Starting Line is a line between the main mast of the Committee Boat and the buoy or mark described in the Race Instructions.
- 7.3. When classes are started at separate times, yachts should keep clear (well in the rear) of the Starting Line until their Warning (Class Flag) is made.

8. USE OF ENGINES IN VICINITY OF START LINE

- 8.1. Engines shall not be used in the Starting Area, defined as any point within 500 metres from any part of the Start Line, after the Preparatory signal has been made. Competitors arriving late or otherwise manoeuvring under engine must stop their engine outside the Starting Area.

9. LATE STARTERS

- 9.1. Only yachts crossing the line within the prescribed time stated below will rank as starters. The Committee Boat will remain on the Start Line for a period of not less than 5 minutes after the starting signal and in the vicinity of the Start Area for a further period of 10 minutes. Any yachts not crossing the Start Line within a period of 15 minutes after the starting signal has been made shall be deemed not to have started. The time limit may be extended at the discretion of the Officer on the Day (OOD) or Race Officer, when wind and tide conditions prevent the majority of yachts starting the race within the 15 minutes waiting time.
- 9.2. In the event there is no Committee Boat on station, yachts must leave the outer Starting Mark on the required side and pass within 50 metres distance of that mark.

10. STARTING SIGNALS

- 10.1. Starting signals will be made from the Committee Boat in accordance with Rule 26, that is:
 - 10.1.1. Class Signal - CSC Racing Pennant
 - 10.1.2. Start sequence is 5 - 4 - 1 - Start.
 - 10.1.3. Warning Signal: 5 min before the start CSC Racing Pennant broken out; 1 sound
 - 10.1.4. Preparatory Signal: 4 min before the start Code Flag ' P ' broken out; 1 sound
 - 10.1.5. One minute Signal: 1 min before the start Code Flag ' P ' removed; 1 sound
 - 10.1.6. Starting signal: CSC Racing Pennant removed; 1 sound

11. VISUAL SIGNAL TO GOVERN

- 11.1. Times shall be taken from visual signals, and a failure or mistiming of a gun or other sound signal calling attention to starting signals shall be disregarded.
- 11.2. If visual signals cannot be used sound signals together with instructions over VHF Channel 37(M1), 72 or as instructed in the Race Instructions will be used.



12. COURSES AND SHORTENING COURSE

- 12.1. The course for each class shall be specified in the Race Instructions.
- 12.2. In Race Instructions reference to (P) and (S) will mean Port and Starboard respectively.
- 12.3. All marks of the course shall be considered rounding marks unless otherwise stated.
- 12.4. Should a course be shortened or an alternative course selected before the start, the Shortened Course Flag 'S' will be shown before or with the Warning Signal. In this event the details of the shortened or alternative course will be transmitted by the OOD or Race Officer on VHF Channel 37 (M1), 72 or as instructed in the Race Instructions immediately prior to the Preparatory Signal. SMS messages to registered mobile phones might also be used.
- 12.5. The Race Officer may shorten the course during the race if it becomes clear that none of the boats can finish the race within the time limit allocated. In this case competitors will be required to take their GPS positions and communicate them to the Race Officer of the day, who will calculate the results according to formula outlined in Appendix 3.
- 12.6. All competitors are required to acknowledge their understanding of the instructions.
- 12.7. The race must not be shortened if at least one boat can finish the race within allocated time limit.

13. RECALLS

- 13.1. Any yacht which crosses the Start Line before the Starting Signal is required to return by rounding either end of the Start Line and re-start by crossing the Start Line. This will be signalled from the Committee Boat by a sound signal of one long prolonged blast and by leaving the Starting Pennant at the dip. Any yacht infringing the Start and which does not return as described above will receive a 20% scoring penalty as per Rule 44.3. Yachts subject to recall may be advised via VHF for confirmation purposes only.
- 13.2. In the event of a number of unidentified yachts making a premature start or an error in starting procedure, a general recall may be declared by the flying of the visual signal flag "FIRST SUBSTITUTE" accompanied by two prolonged blasts and a confirmation on VHF Channel 37 (M1), 72 or as specified in the Race Instructions. Provisions for a restart will be announced on VHF Channel 37(M1), 72 or as instructed in the Race Instructions and will be made in accordance with the Starting Rules above.

14. POSTPONEMENT

- 14.1. Should the start be postponed, the Class Flag and the International Code Flag "ANSWERING PENNANT" will be flown from the Committee Boat together with two sound signals. Arrangements for Starting will be broadcast on VHF Channel 37(M1), 72 or as specified in the Race Instructions.

15. ABANDONMENT

- 15.1. Should the race be abandoned, International Code Flag 'N' over 'H' or 'N' over 'A' will be flown from the Committee Boat together with three sound signals, in accordance with Rule 27.3. When the weather conditions are such that racing is to be abandoned and it is unreasonable for the Committee Boat to go to the Start, the Committee Boat will attempt to advise all competitors by VHF Channel 37(M1), 72 or as instructed in the Race Instructions.



16. FINISHING LINE

- 16.1. The Finishing line will be defined in the Race Instructions.
- 16.2. After finishing yachts must keep well clear of the Finishing Line.
- 16.3. Every yacht when finishing must try to ensure that her sail number is clearly visible to the Committee Boat. Each yacht shall take and record her own finishing time having synchronised her watch with the starting signal.
- 16.4. Where possible the Committee Boat will, by making a sound signal, acknowledge a yacht finishing.
- 16.5. In the event there is no Committee Boat on station (this includes the Committee Boat being anchored on the wrong side of the finishing mark) yachts must leave the Finishing Mark on the required side and take their own times when the mark is on a bearing that is at right angles to the direct course line from the previous mark and within 50 metres distance. This rule shall apply to all races other than when alternate instructions are incorporated in the Race Instructions. For the Pursuit race yachts must record their position (Latitude and Longitude) at the completion of the designated duration time for the race.

17. DECLARATIONS

- 17.1. Competitors must report their safe arrival to the OOD or another Race Official. If yachts are unable to make this contact, a CSC Club Flag Officer should be informed as soon as possible.
- 17.2. Finishing times shall be entered onto a Declaration Form which should be returned as soon as possible after finishing and in any event no later than 60 minutes after finishing the race to the OOD or Race Officer. When recording your finishing time you should note hours, minutes and seconds and the names of the yachts immediately ahead and astern irrespective of class.
- 17.3. Any yacht that crosses the finishing line and DOES NOT signify that she has retired or that she is protesting shall be deemed to have completed the race in accordance with the Sailing Instructions.

18. RETIREMENTS AND WITHDRAWALS

- 18.1. All competitors who decide to withdraw their entry prior to the Start must contact the Committee Boat or the CSC Club Race Officer.
- 18.2. Yachts retiring from a race must notify the OOD or Race Officer as soon as possible by VHF on channel 37 (M1), 72 or as stated in the Race Instructions.

19. PROTESTS

- 19.1. The general provisions of RRS Part 5 will apply.
- 19.2. At the conclusion of racing protests must be lodged in writing with the OOD, Race Officer or Flag Officer (failure to do so will be deemed to constitute a withdrawal of the protest) as soon as possible but in any event no later than two hours after finishing the race.
- 19.3. The Protest Committee shall consist of the four members of the Handicap Committee (or additional members of the CSC General Committee [including Flag Officers] to make up a committee of four in the event that the protest shall involve members of the Handicap Committee). Arrangements for the hearing of protests will be advised.



20. COMMUNICATIONS

- 20.1. Competitors should keep a listening watch on VHF Channel 37(M1), 72 or as specified in the Race Instructions. Other than for traffic concerned with these Sailing Instructions, use of the Radio should be kept to a minimum. Should the use of flags not be possible communication will also be VHF channel 37(M1), 72 or as specified in the Race Instructions.

21. COMMITTEE BOAT RACING

- 21.1. The Committee Boat shall remain on station for a minimum of five minutes following the start of the race. The Committee Boat may participate in the race provided, she shall move (under power if necessary) to a position outside the Starting Area, stop the engine and then start. A qualifying Start shall be when the Committee Boat crosses the Starting Line no more than 50 metres from the remaining Start Line mark and not earlier than 15 minutes after the Race Start time. A 15-minute allowance shall be given on the elapsed time calculated from the Start Time.

22. GATE START

- 22.1. If a gate start is used this will be performed in accordance with CSC Gate Start Instructions as published on the Club website.

23. AUTOPILOTS

- 23.1. The use of autopilots is NOT permitted during CSC races (except by prior consent from the Race Officer). It is incumbent on the skipper of any yacht who is permitted the use of an autopilot during the race to ensure that a proper lookout is kept at all times and the normal Racing Rules and Rules of Safety at Sea are adhered to.

24. ANCHOR STOWAGE

- 24.1. For reasons of safety, no anchors shall be carried attached to the stemhead or allowed to protrude over the bow or sides of a yacht during CSC races.

25. ALTERATIONS TO INSTRUCTIONS

- 25.1. Should conditions necessitate alterations to Race Instructions, International Code Flag "L" will be flown from the Committee Boat. It is the responsibility of all competitors to obtain from the Committee Boat the new instructions, which may be given verbally or on VHF Channel 37(M1), 72 or as specified in the Race Instructions.

26. SCORING

- 26.1. The Low Point System of RRS Appendix A will apply.
- 26.2. A boat's series score will be the total of her scores excluding her discards as follows:
- 26.2.1. Overall Championship: (Races/Discards) 13-16/4, 10-12/3, 9/2, 8 or less/1;
 - 26.2.2. Results scored in the Wooden Spoon race versus CCRC will not be discarded.
 - 26.2.3. Mini Regatta: (Races/Discards) 4/1, 1-3/0
- 26.3. Each boat starting and finishing and not thereafter retiring, being penalised or given redress shall be scored points according to her finishing position. A boat that did not start, did not finish, retired after finishing or was disqualified shall be scored points for the finishing place one more than the number of boats that came to the starting area. A boat that did not come to the starting area shall be scored points for the finishing place one more than the number of boats entered in the series.



27. RESULTS

- 27.1. Results of races will be posted on the Club Notice board, on the Club website, and provided to participating members on request.

28. ENTRANTS

- 28.1. There must be a minimum entry of three boats for a race to take place.

29. ELIGIBILITY

- 29.1. To participate in the CSC Race series all competitors must be members of Channel Sailing Club.
- 29.2. Temporary members may not take part in more than two races.
- 29.3. Item 29.2 is not applicable to those under eighteen years of age or students in full time education.

The Club reserves the right to amend these Sailing Instructions at any time. Such amendments will be notified to all members by publication on the Club website and in the Race Instructions.



Appendix 1 - Channel Sailing Club 2019 Racing Series Entry Form

This agreement must be completed, signed by the boat owner or his representative and returned to the Racing Secretary before any application for your yacht to race in the 2019 CSC Racing Series will be accepted.

Owner		Yacht Name	
Make		Year of manufacture	
Model		L.O.A.	
Draft		Sail Number	
Mobile Number			

I have read and understood the CSC 2019 Sailing Instructions and agree that my yacht's participation in the CSC 2019 Racing Series will be subject to them.

Signed		Date	
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Please complete the following:

I hope to participate in the following 2019 CSC Championship Races:

<u>Date</u>	<u>Race</u>	
13 April	Long race (out)	Yes / No
14 April	Long race (back)	Yes / No
27 April	Navigators race	Yes / No
18 May	Two-handed	Yes / No
1-2 June	Mini Regatta (4 races)	Yes / No
15 June	Passage race 1	Yes / No
16 June	Passage race 2	Yes / No
13 July	Cross Channel race	Yes /No
7 September	Wooden Spoon race	Yes / No
8 September	Wooden Spoon return race	Yes No
28 September	Passage race 3	Yes / No
29 September	Passage race 4	Yes / No
12 October	Pursuit race	Yes / No

I hope to participate in the Non Championship Race: RTIR Yes/No



Appendix 2 - Channel Sailing Club 2019 Race Result Confirmation Form

This form must be completed at the end of each race, signed by the boat owner or his representative and returned to the Racing Officer on the day either in printed or electronic copy (email) before the results of the yacht in the race can be accepted.

Race Name / Date			
Yacht Name			
Owner			
Crew	Name	Email / Phone	CSC*
Crew 1			
Crew 2			
Crew 3			
Crew 4			
Crew 5			
Crew 6			
Crew 7			

** Please indicate whether the crew is a member of CSC by inserting Y or N in the column*

I confirm that I _____ was in charge of
the boat and had the crew listed above. My finishing time (BST) was: _____

(hh:mm:ss)

Signed		Date	
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Appendix 3 – Shortening of the Course

Shortening the course

The Race Officer may shorten the course during the race if it becomes clear that none of the boats can finish the race within the time limit. In this case competitors will be required to take their time at an alternative finish buoy or GPS positions and communicate them to the Race Officer of the day. The announcement on shortening the course shall be made over VHF radio stating the new finish buoy or the time at which GPS positions to be taken; this announcement shall be made by the Race Officer approximately 30 minutes before GPS positions to be taken and the race is considered to be finished. The Race Officer shall countdown over VHF radio to the time when GPS positions should be taken.

Calculating elapsed time from GPS position

The following steps are required in determining the elapsed time of each boat if the course is shortened during the race.

1. Calculate distance of each boat to the next mark of the race - this mark must be the mark not yet passed by lead boat (designated mark), which is done using GPS position of the boat and the designated mark's GPS positions as inputs into the formula ().
2. Calculate distance completed by each boat as a difference between (a) race distance from the start of the course to the designated mark and (b) distance from each boat to the designated mark.
3. Calculate average distance completed by the fleet by summing up each boat distance completed (calculated in step 2) and dividing this sum by number of boats still in the race when announcement to shorten race is made.
4. Calculate elapsed time for each boat by multiplying duration of the race by the ratio of average distance completed (numerator) to individual boat distance completed (denominator).

Formula for calculation distance between two GPS coordinates

Formula for calculating distance between two points using their GPS coordinates: point 1 (lat1, lon1) and GPS point 2 (lat2, lon2) - is as follows:

$$=ACOS(SIN(lat1)*SIN(lat2) + COS(lat1)*COS(lat2)*COS(lon2-lon1)) * 6371 / 1.852 ,$$

where 6,371km is mean radius of Earth, 1.852 is a conversion factor from kilometres into nautical miles (1nm = 1.852km)

Please ensure that *lat* and *lon* are expressed in radians (not degrees) before calculating the result. Positive numbers should be used for Northern and Eastern hemispheres and negative numbers for Southern and Western.

NB. This formula is only valid for calculating short distances; do not use it for measuring

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