



Wednesday Evening Series Races

- General handicap (single fleet)**

- 1 Race**
 - approximately 60 minutes

- Average lap**

- Personal handicap**

- Offset trapezoid course**

- Fish & chips at the club afterwards**



Please note:

- RO should ensure that the Safety Boat Helm and Crew are up to the conditions on the day and have adequate clothing
- Portable radios should be set to 'H' (not 'L')
- Each RIB to have **two** radios
 - but **only one switched on** at a time!

Course when kitesurfers are out:

If the beat is likely to be near Beach Green & the kitesurfers are out then set the Northerly Wind Port hand course (NW course, windward mark close to the club)

*If you would like **help or advice**, ask one of the **mentors**: see list on notice board in the race box.*

Don't Panic!

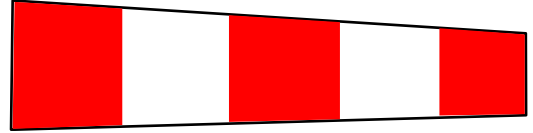
Use the 'Don't Panic' sheet



Don't Panic

❑ There's a problem before the first start signal:

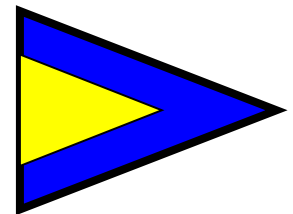
2 hoots +



- signal a postponement, then follow the procedure given on the 'Start page'

❑ There's a problem which affects the fleet which has just started:

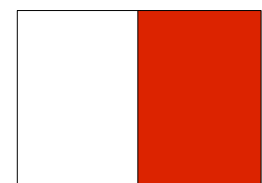
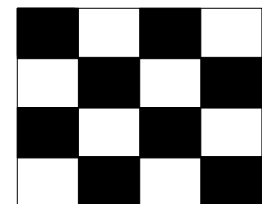
2 hoots +



- signal a general recall for that fleet

❑ Abandoning all races because of:

- error in starting procedure
- foul weather
- insufficient wind to finish within the time limit
- a missing mark
- anything affecting safety or fairness
- N / H with 3 hoots
 - see RRS 32.1





Organisation

Duties start at 18:00

☐ **Shore Team - Race Officer (RO) and Ass't RO:**

- Take charge of all shoreside activities, including starting and running the racing, timekeeping, presentation of results and securing all the fittings, buildings and both compounds after racing
- Pull conveyor belting down the beach ***in direction of orange winch arrow***
- Organise race signal boards, signing-on sheets and timesheets
- Write race info (e.g. who's on duty, race duration, forecast, HW) on whiteboard in club entrance foyer
- Switch on race box radio power supply at mains
- Prepare and check the radios (portables will switch on to the correct channel – make sure they are set to 'H', not 'L', set base station at 20W)
- Put the transit pole on the beach and align with start mark when laid
- Work together and liaise with the Helm and Crew on the RIB
- RO and Ass't should always stay on shore (unless RO organises replacements for them in order to man the second RIB)
- ORDER FISH AND CHIPS for 9pm delivery (to ensure all kit is put away first)

☐ **Safety Boat Helm and Crew:**

☐ **Helm, in conjunction with RO on shore:**

- Take all decisions regarding waterside activities; final decisions regarding racing rest with the RO
- Go to sea to lay an offset trapezoid course with windward start (where possible)
- Decide on the number of safety boats required (minimum one on the water and a second boat with engine run up and ready at the top of the beach)
- Ensure that safety boats are prepared and crews available
- Stay at sea with the safety boat crew for rescue duties

☐ **Helm and Crew**

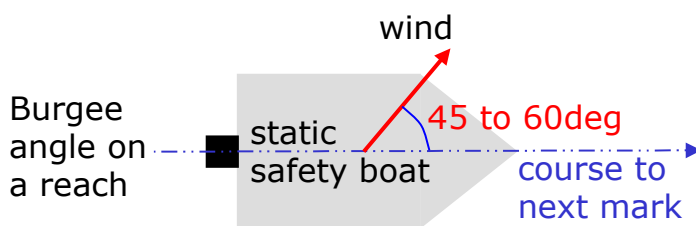
- Make ready one boat (full fuel tank in place, engine test run) for use
- Make ready the second boat (full fuel tank in place, engine test run) and leave at the top of the beach
- Take 2 radios (strapped on inside life-jacket) and burgee - hold handset ~15cm from mouth when speaking.
- ***Wear the kill cord when driving.***
- Note any problems with equipment and report later in Safety Log.
- Get help launching - four helpers should be OK, but more are needed if it's very rough - if it's rough, you'll need to get the helpers to push you well out through the shore break - ***no helpers, then no launch***



Course Laying

Offset Trapezium - also next page

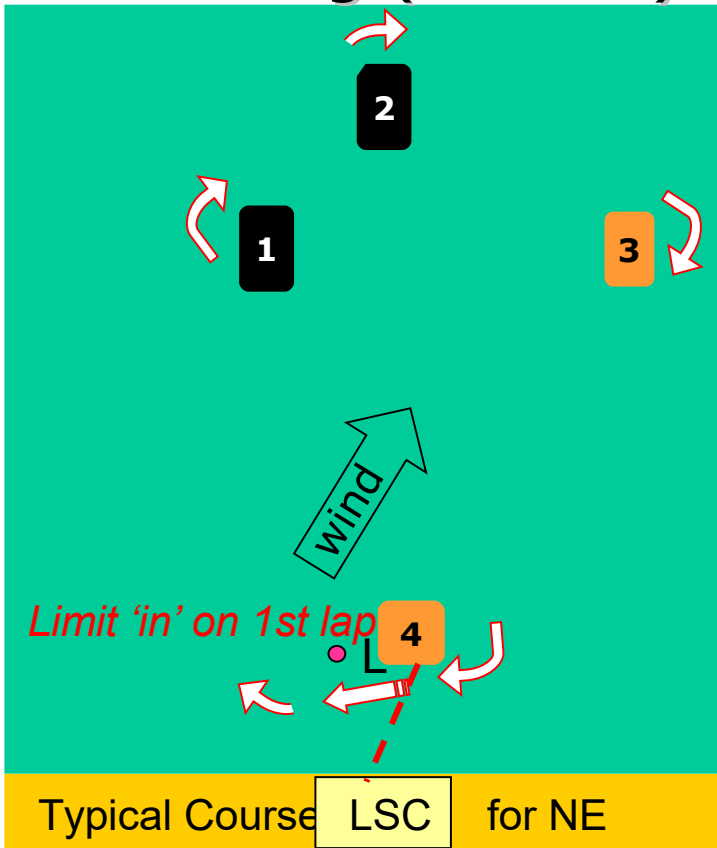
- ❑ Marks: anchor over the side first - make sure the rope and chain stream freely
- ❑ Start and finish buoys **about 30m apart**: check / adjust after laying the rest of the course, **to achieve an unbiased start line**
- ❑ **On-shore wind** within 0 to ~30 degrees of along-shore => **true start line at 90 degrees to the wind** (see green sectors on diagram below - use the burgee that you have with you) and **no need for the limit mark on lap 1 - position it slightly off-shore of the start mark**
- ❑ **Off-shore wind** or within ~60 degrees either side of square on-shore => **limit in on lap 1**, so lay the start line so that it takes an equal length of time to sail (beat, reach or run) from either end of the line to the limit mark, consistent with you being able to sight along the line from the Race Box. For NE or NW, angle the start line (dotted) back a little as shown; for onshore winds, ~SE through to ~SSW, angle the start line back at as small an angle to alongshore as possible (~60 degrees), but so that you can sight along the line from the race box. **For all cases where the limit is in, position the limit mark a bit in-shore of the start line mark.**
- ❑ **On-shore wind**: beat => fetch => run => reach
- ❑ **Off-shore wind**: reach => run => fetch => beat
- ❑ Windward mark roughly 2/3 of the way to Beecham's Buoy in a SW3 - aim for lap times of ~15-20 minutes for an average boat
- ❑ The **fetch** should be at 90 degrees to the direction of the wind (tide effect?)
- ❑ The **run** should be dead downwind (or with a tidal adjustment)
- ❑ With the safety boat static on the **reach** the burgee should point between 60 degrees (light wind) to 45 degrees (strong wind) from the line of the reach
 - if it's rough most boats will be surfing fast - so not too tight
- ❑ Check and adjust the start line bias, if needed
- ❑ Try to allow for the tide biasing the beat and reaches, especially at half tide springs and with light winds





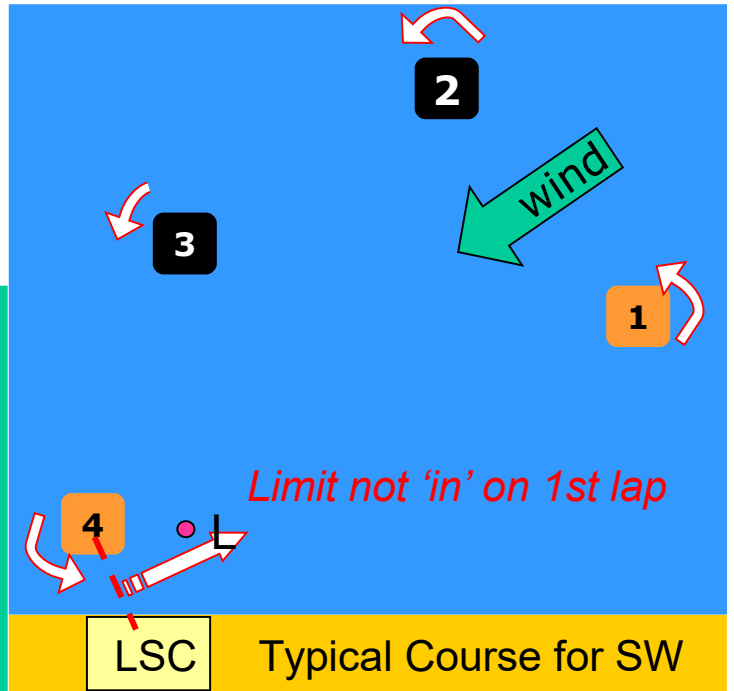
Course Laying

Offset Trapezium:
use Black Marks for
outer leg (the run)

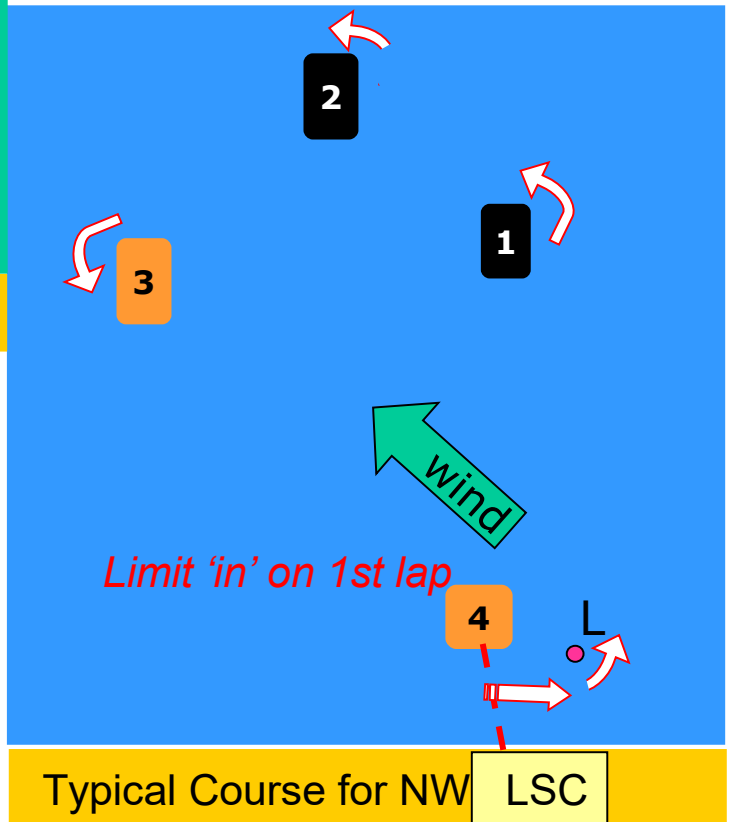


Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..

Note that if wind is such that the beat would be close to Beach Green and the kite surfers are out, then use the NW course!



Course: 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..



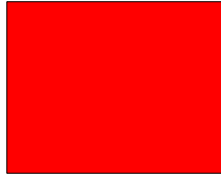
Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..



Start

Boards displayed on West Balcony

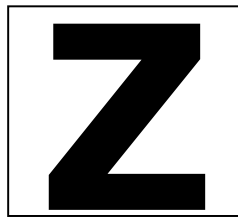
Marks to Port



or Starboard



Course Type



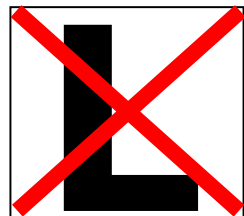
Do make sure all necessary boards are out on the balcony, hooked on and ready to use...

Limit Mark

- is a mark of the course
 - no board shown

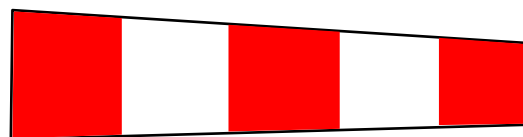


- is **not** a mark of the course on the 1st lap



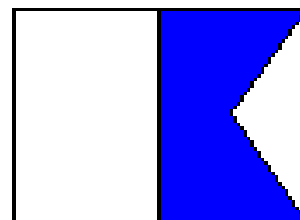
Postponement: **AP**

- 2 hoots when shown
- 1 hoot when removed
- warning signal 3 minutes later



Change of Course: '**A**'

- 4 hoots when displayed





Start

Boards displayed on East Balcony

TIME

'F' = start time

F-6min



F-3min



F



Top Tips:

- 1) Write boats down on the results sheet in the order that they complete lap 1.*
- 2) Make sure all boards inc. Postpone (AP) and both Recalls are ready to use!*

***ORDER FISH AND CHIPS AS SOON
AS RACE IS UNDERWAY!!!***

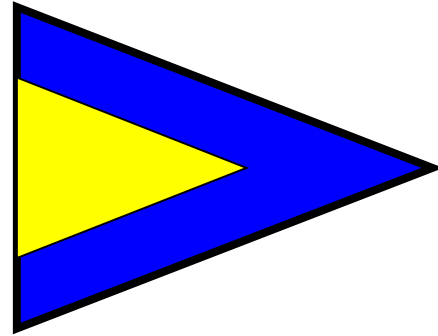


Recalls

Boards displayed on West Balcony

□ General recall

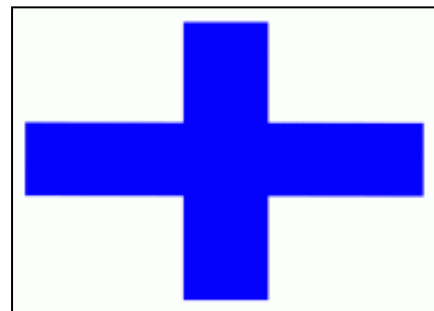
- 2 hoots when shown
- recalled fleet:



- there are no other starts, so withdrawn recall, warning and preparatory signals 2 minutes after recalled start
- wait 1 minute
- hoot once and display warning and preparatory signals together
 - 3 minutes to go to the start

□ Individual recall

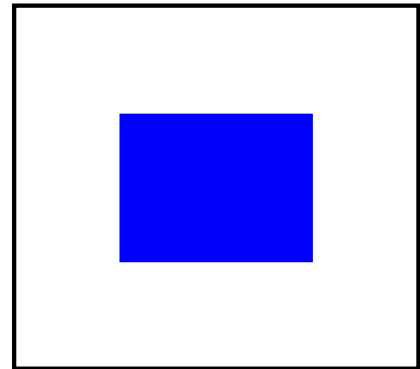
- 1 hoot when shown
- remove when all boats have returned, or after a reasonable time





Finish

- After 60 minutes (+/- 1 or 2 mins.)
 - **start finishing all boats as they come round**
 - if possible, try not to split a group of boats which are having a close race
 - display '**S**' board on the West balcony



- 2 hoots when first boat to be finished rounds the penultimate mark
- hoot & flash the first 3 boats
 - then flash only
- marks to be recovered after all boats have finished



Organisation

□ Race Officer (RO) and Ass't RO:

- Ensure all are safely ashore before safety boat lands
- Assist in safety boat recovery / winch up beach
- Calculate results (corrected time in seconds to nearest second)

$$\text{Corrected time} = \frac{\text{Total elapsed time (s)} \times 1000}{\text{Personal Handicap} \times \text{Laps}}$$

- Include sailors on results sheet if they started but retired (DNF), or sailed around near the start line after their preparatory signal but didn't cross the start line (DNS)
- Put results sheet on notice board in foyer
- Tidy up race box after putting boards etc. away, leave board framework upright in corner, close shutter
- Switch off power supply but leave radio chargers on timer
- Lock up race box
- Check that annexe hut and gate are locked
- Pull conveyor belting doubled up to the top of the beach
- Put boards in at top of ramp if high tides are likely
- Check that club is secure (or delegate) before leaving



Organisation

□ Safety Boat Helm and Crew:

- Remove marks from RIB but do not disconnect fuel tank
 - return marks to garage
- Run up engines that have been used in blue water tank to flush cooling system
- Close fuel tank breather
- Wash boats, external engine and controls, trolley - avoid getting water in engine air intake
- Remove engine cover and spray with WD40 then replace
 - also spray remote control box
- Drain ALL water before re-housing
- Turn off battery isolator switches
- Lock security posts garage and boat sheds
 - **return keys**
- Radio handsets – switch off, wipe over with a damp cloth, then **dry thoroughly** and put into chargers / connect charging leads in Race box (ensure that they are charging)
- **Make comments in Safety Log on boats, equipment, incidents etc. (discuss with RO – file in race box)**