



A&O Club Championships

Sun 29 & Mon 30 August

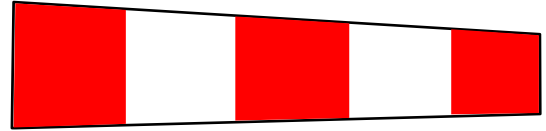
- ❑ 4 races per day
 - AM: 2 races back-to-back starting at 11:00
 - PM: 2 races back-to-back starting at 14:00
- ❑ 1 Fleet using PY Handicaps with Lancing Correction Factor
- ❑ General handicap (single fleet) Flag F
- ❑ Mixed courses
 - See blackboard and/or whiteboard for info, but course flags take priority!
- ❑ Average laps
 - Overall winner 'Club Champion'
 - Atkins Trophy
 - Fast fleet
 - PY < 1089
 - Owen Memorial Shield
 - Medium fleet
 - 1090 < PY < 1201 plus Laser 4.7



Don't Panic

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

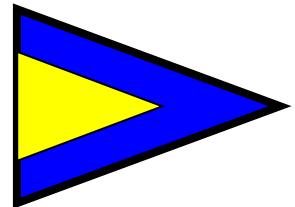
2 hoots +



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

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

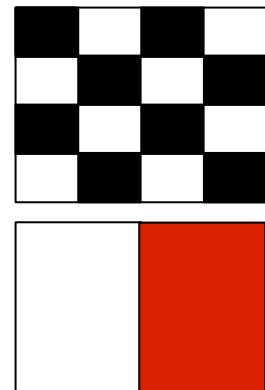
2 hoots +



- signal a general recall for that fleet
- if the problem affects other fleets yet to start then signal a postponement
 - fleets not affected can continue racing

□ 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





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 'L' (not 'H')
- Each RIB to have **two** radios (**but only one switched on at any given time**)

Course when kitesurfers are out:

(take advice from Matt Carter)

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....



Organisation

Duties start at 09:15

☐ **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
- 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 'L', not 'H', set base station at 1W)
- 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)

☐ **Safety Boat Helm and Crew:**

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

- Take all decisions regarding waterside activities, including whether or not to go to sea; final decisions regarding racing rest with the RO
- Go to sea to lay a triangle/sausage 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**

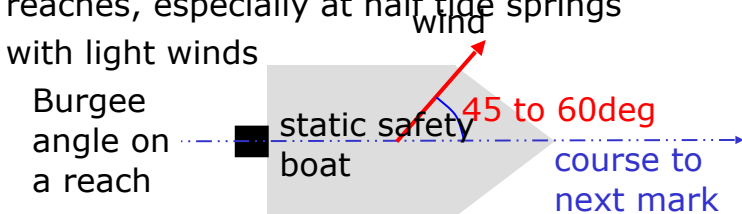
- Make ready one boat (full fuel tank in place, engine test run) for use
- Make ready the second boat (full fuel tank in place, engine test run) and leave at the top of the beach
- Take 2 radios (strapped on inside life-jacket) and burgee - hold handset ~15cm from mouth when speaking
- ***Wear the kill 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

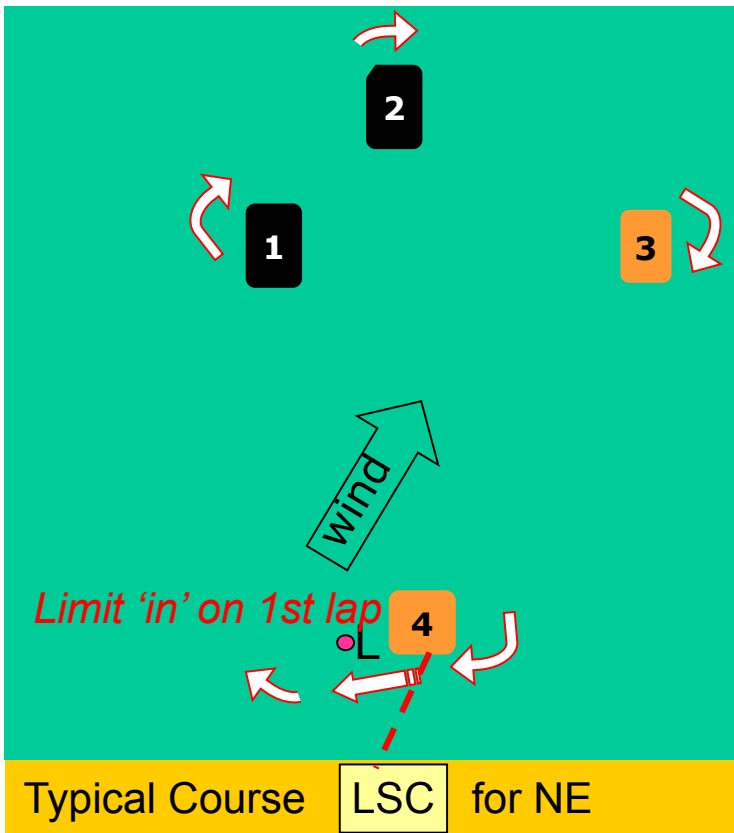
- ❑ Marks: anchor over the side first - make sure the rope and chain stream freely
- ❑ Start and finish buoys about 50m apart: check / adjust after laying the rest of the course, **to achieve an unbiased start line**
- ❑ **On-shore wind** within 0 to ~30 degrees of along-shore => **true start line at 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 - s
- ❑ 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





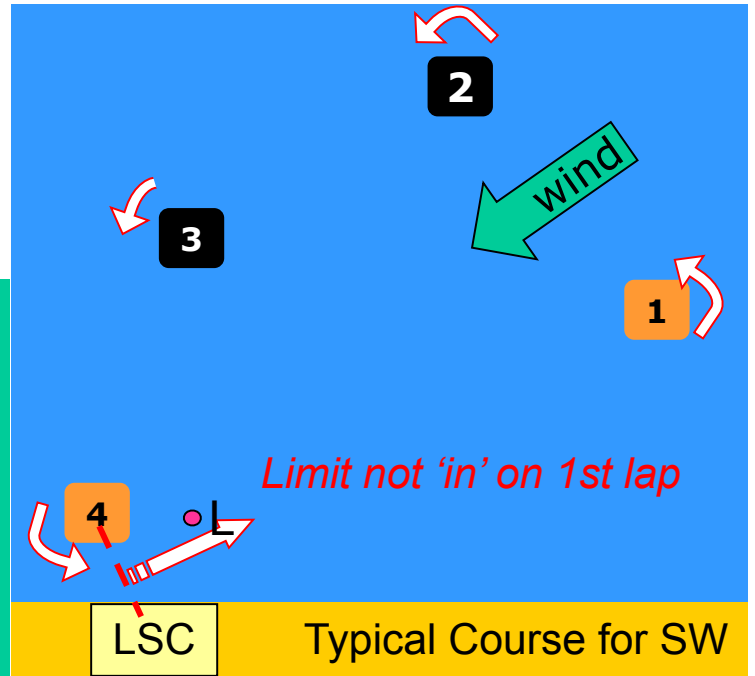
Course Laying

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

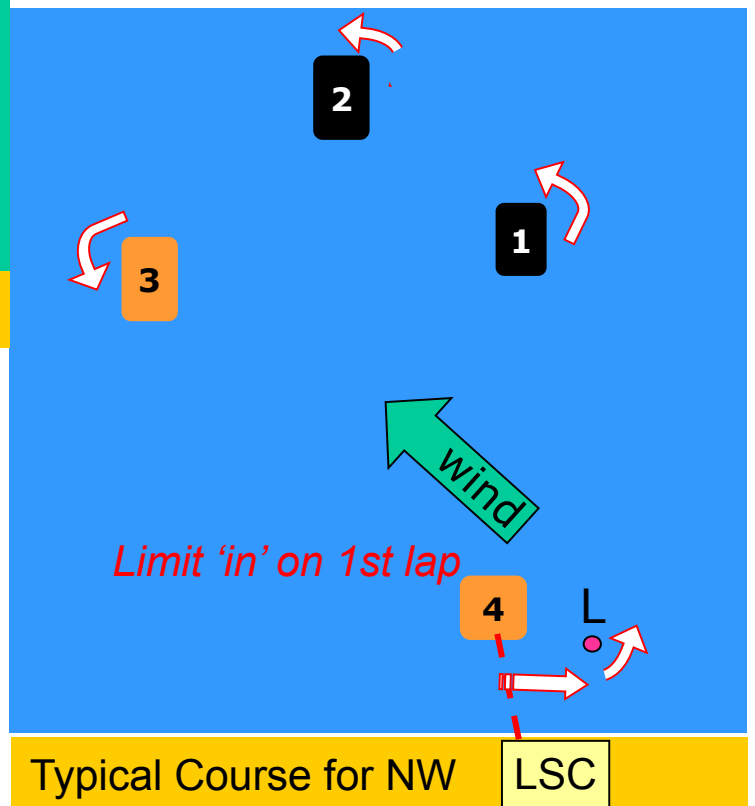


Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..

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..



Course Laying

Laying the Start Line

- Start and finish buoys about 50m apart: check / adjust after laying the rest of the course, **to achieve an unbiased start line**
- **(Case 1) IDEAL TRUE START LINE AT 90 degrees TO THE WIND. *You can do this if the wind is on-shore and within 0 to ~30 degrees of along-shore*** (includes: **W, SW, E, ESE**) => **start line at 90 degrees to wind**, as shown, dotted, for SW, for example (use the burgee!) and **limit mark NOT in on lap 1 - position limit mark slightly off-shore of the start mark.**
- **OR (Case 2) REACHING START WITH LIMIT IN. *If wind is off-shore or within ~60 degrees either side of square on-shore.*** In these cases you **cannot lay the line at 90 degrees to the wind, so => limit in on lap 1**, and 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 **off-shore, NE or NW**, angle the start line (dotted) **back a little** as shown in diagrams, previous page; then **position the limit mark a bit in-shore of the start line mark.**

For **onshore winds within ~60 degrees of square on-shore, ~SSW through to ~SE**, angle the start line **back as shown for SW (or, mirror image, for SE quadrant)**, but so that

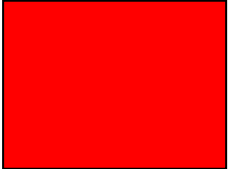

you can still sight along the line from the race box; then **position the limit mark a bit in-shore of the start line mark.**







Start

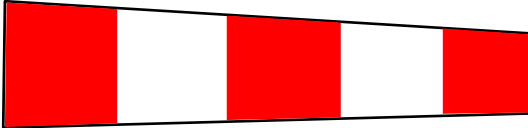
Boards displayed on West Balcony


- Marks to Port  or Starboard 

- Course Type: **T, Z, D** or **Y plus S or N** (if you really want to confuse everybody)

- 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



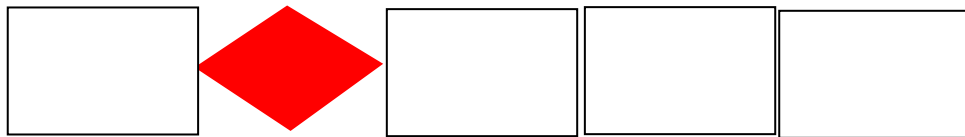
Start

Boards displayed on East Balcony

TIME

'G' = start time

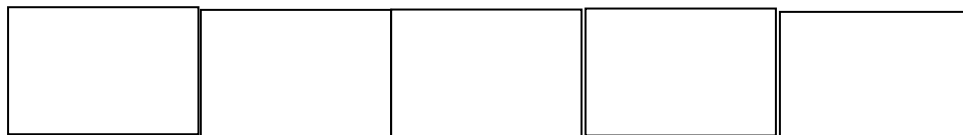
G-6min



G-3min



G



***Top tip: write boat numbers down on the results sheet in the order that they complete the first lap: also include all who retired after 3 minutes before their start.**

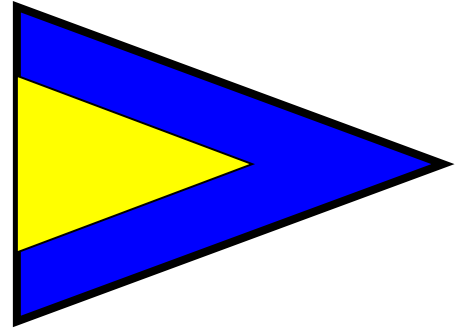


Recalls

Boards displayed on West Balcony

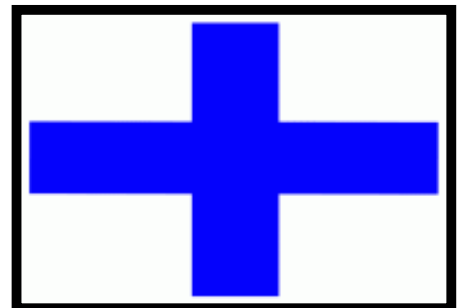
□ General recall

- 2 hoots when shown
- start is 4 minutes after recall signal withdrawn with 1 hoot
 - class warning and preparatory signals shown (with 1 hoot) when 3 minutes to go to the start



□ Individual recall

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

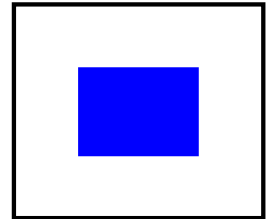




Finish – for 2 races B2B

☐ **Race 1: after ~ 35 - 40 minutes**

- **start finishing**
 - if possible, try not to split the leaders (average lap racing)
- display 'S' board on the West balcony
- 2 hoots when first boat to be finished rounds the penultimate mark
- hoot & flash the first three boats
 - then flash only



☐ **As soon as the last boat has finished**

- instruct safety boat to make desired course changes or start line adjustments
 - make necessary changes to course boards on the West balcony - use change of course sequence ('A' board + 4 hoots)
- commence start sequence for second race

☐ **Race 2:**

- same procedure as above

☐ **Races 3 and 4:**

- as races 1 and 2
- marks to be recovered after all boats have finished the last race of the day



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) using PY with LCF corrections
 - remembering to divide by the number of laps (average lap racing)!
- NB: 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.
- Scan and email the results to Will Apps willapps@me.com
- 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)***



LCF Handicaps for 2021

RS 700	845
RS 400	942
RS 500	963
Contender	970
Phantom	1003
RS Aero 9	1015
RS 200	1049
RS Aero 7	1069
Laser II	1081
Laser 16 & 3000	1090
Laser	1105
Laser 2000	1119
Streaker	1136
RS Vision	1136
RS Aero 5	1145
Laser Radial	1155
Miracle	1211
Topaz Race X	1221
Comet	1226
Laser 4.7	1226
RS Feva XL	1266
Topaz Uno	1280
Feva (youth)	1297
RS Tera Pro	1422
Topper	1428
Topper 4.2	1506
RS Tera Sport	1540

For anything else, please make a guess and it will be corrected later by the results dogsbody