



Autumn Series Races

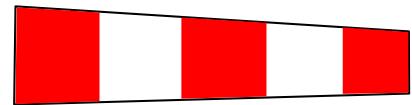
- ❑ **Average lap time system**
- ❑ **LCF adjusted PY handicaps**
- ❑ **Offset trapezoidal course**
- ❑ **2 races back to back**
 - 40 minutes per race for leader
 - approx. race length, depending on conditions
- ❑ **One start in each race, 1st start at:-**
 - 3 Nov. 11:00
 - 10 Nov. **11:15 (Remembrance Sunday)**
 - 17 Nov. 11:00
 - 24 Nov. 11:00 (AGM at 15:00)
 - 1 Dec. 11:00



Don't Panic

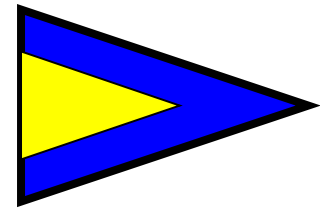
□ There's a problem before the first start signal:

- signal a postponement and follow the procedure shown to start the sequence again



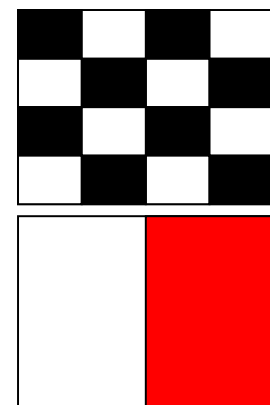
□ There's a problem which affects the fleet which has just started:

- 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
- missing mark
- anything affecting safety or fairness
- N / H with 3 hoots
 - see Rule 32.1





Please note:

RO should:

- list key risks on the white board by the club's front door
- ensure that the safety boat crew are up to the conditions on the day and have adequate clothing
- in rough conditions, consider advising safety boat crew via radio on when to land
 - easier to spot big waves from the beach

Portable radios should be set to 'H' (not 'L')

Each RIB to have two radios:

but only one switched on at any given 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....



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 '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)

☐ **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
- Lay an offset trapezoid (flag 'Z') 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**

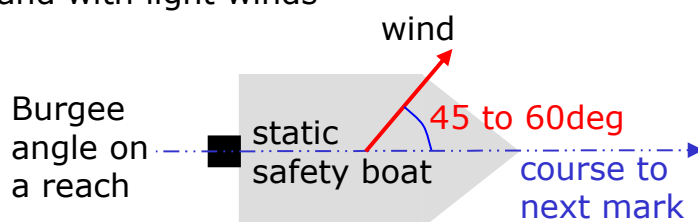
- Make ready one boat (full fuel tank in place, engine test run) for use
- Make ready the second boat (full fuel tank in place, engine test run) and leave at the top of the beach
- Take 2 radios (strapped on inside life-jacket) and burgee - hold handset ~15cm from mouth when speaking
- ***Wear the kill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

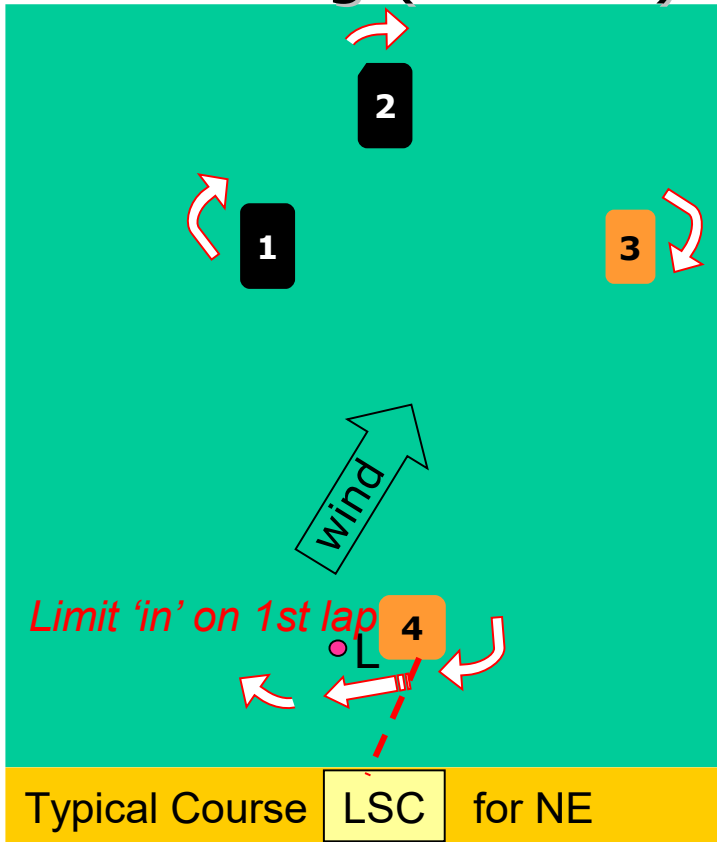
- ❑ Marks: anchor over the side first - make sure the rope and chain stream freely
- ❑ Start and finish buoys about 50m apart: check / adjust after laying the rest of the course, **to achieve an unbiased start line**
- ❑ **On-shore wind** within 0 to ~30 degrees of along-shore => **true start line at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





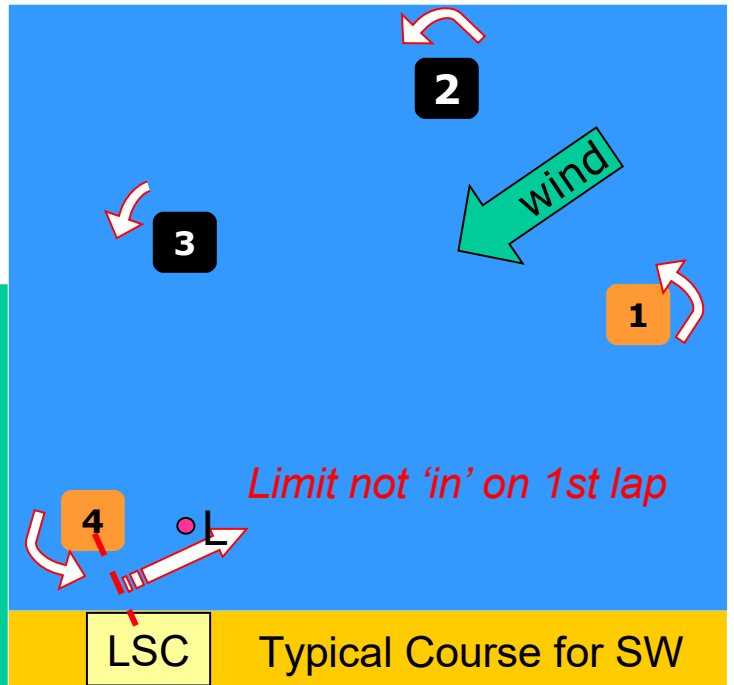
Course Laying

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

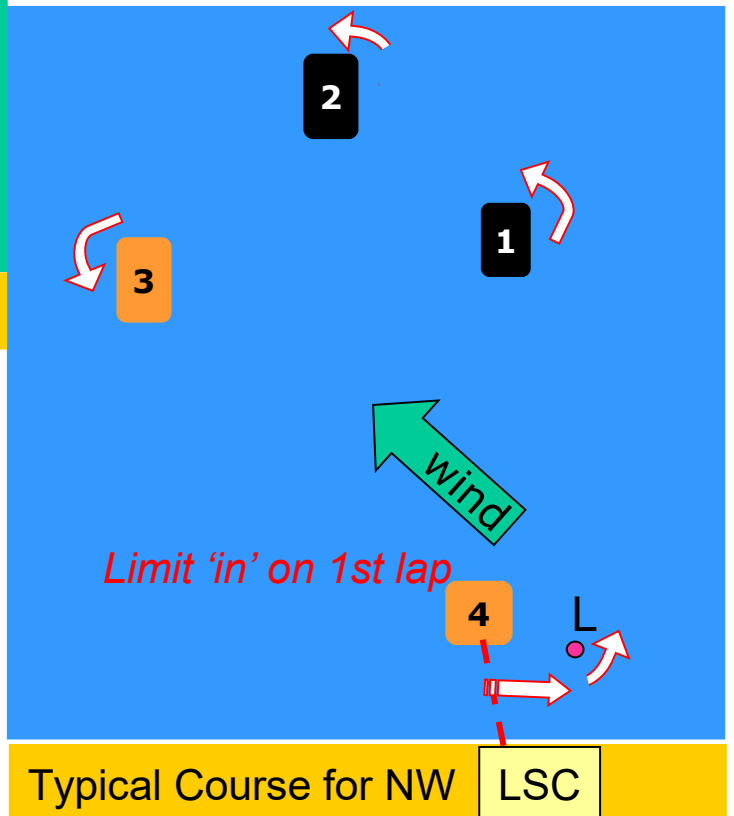


Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..

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..



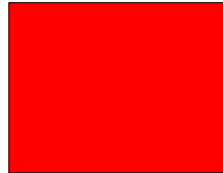
Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..



Start

Boards displayed on West Balcony

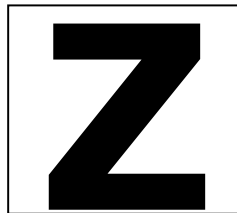
Marks to Port



or Starboard



Course Type



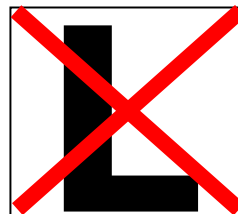
*Do make
sure all
necessary
boards are
out on the
balcony,
hooked on
and ready
to use...*

Limit Mark

- is a mark of the course
 - no board shown

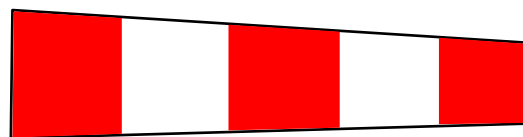


- is **not** a mark of the course on the 1st lap



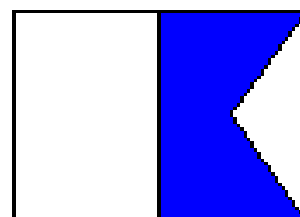
Postponement: **AP**

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



Change of Course: 'A'

- 4 hoots when displayed





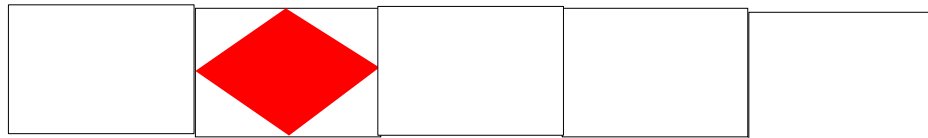
Start

Boards displayed on East Balcony

TIME

'F' = start time

F-6min



F-3min



F



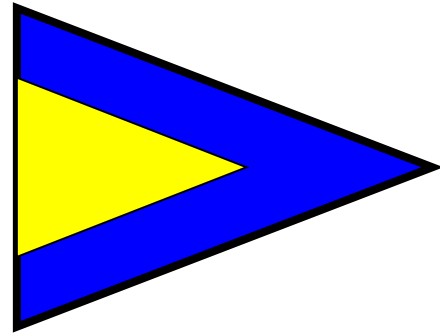


Recalls

Boards displayed on West Balcony

□ General recall

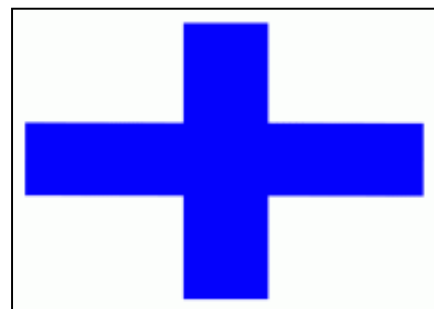
- 2 hoots when shown
- recalled fleet:



- 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 - First Race

- After ~ 40 minutes (+/- 1 or 2 mins)
 - **start finishing race 1**
 - 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
 - then flash only
- **As soon as the last boat has finished**
 - liaise with safety boat – are they OK to do a second race – ***it's their call, abandon if they are too cold***
 - make any major course changes or start line adjustments
 - don't bother with minor adjustments
 - make any necessary changes to course boards on the West balcony - use change of course sequence ('A' board + 4 hoots)
 - commence start sequence for second race, ASAP after finish of race 1

Finish - Second Race

- **Second race finish**
 - same procedure as above
 - 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)

$$\text{Corrected time} = \frac{\text{Total elapsed time (s)} \times 1000}{\text{LCF Handicap} \times \text{No. of laps}}$$

- 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 all boards etc. away, leave main boards framework upright in corner, switch off power supply, leave radio chargers on (timer), close shutter
- Fill in Safety Log – liaise with Safety Boat Helm
- Lock up race box
- 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 annexe hut and gate are locked
- 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 -wipe over with a damp cloth, **dry thoroughly**, switch off and put into chargers 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 2019

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*