

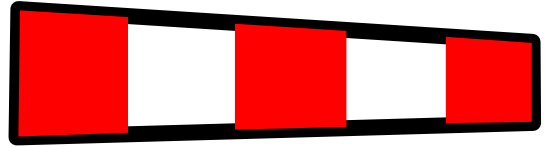
# Easter Series Races

- ❑ **Average lap time using LCF**
- ❑ **Offset trapezoid course**
- ❑ **2 races back to back**
  - 45 to 60 minutes per race for leader
    - 45 if cold `n nasty, 60 if warm `n sunny
- ❑ **2 handicap fleets**
  - **Fast** - PY=1084 or less, includes:
    - RS700
    - Laser 4000
    - RS400
    - Contender
    - Laser>>
    - RS200
  - **Slow** - PY=1085 or more, includes:
    - Laser
    - Laser Radial
    - Streaker
    - Laser 4.7
    - Miracle
    - Topper

# Don't Panic

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

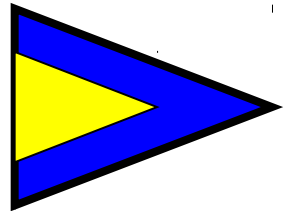
2 hoots +



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

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

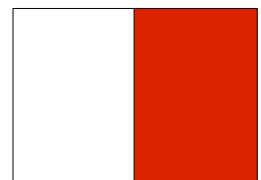
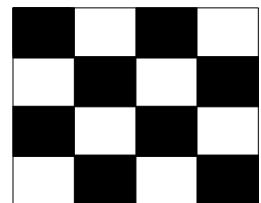
2 hoots +



- 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





## Recent New Items for Race Management

- No one minute rule after a general recall
- Mains power supply in race box
- Note equipment in dry bags on Safety Boat
- Evaluate / comment on performance of radios in plastic covers

### **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.*

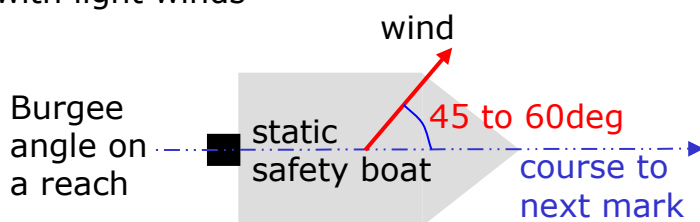
***Don't Panic! - Use the Don't Panic sheet....***



# Course Laying

## Offset Trapezium - also next page

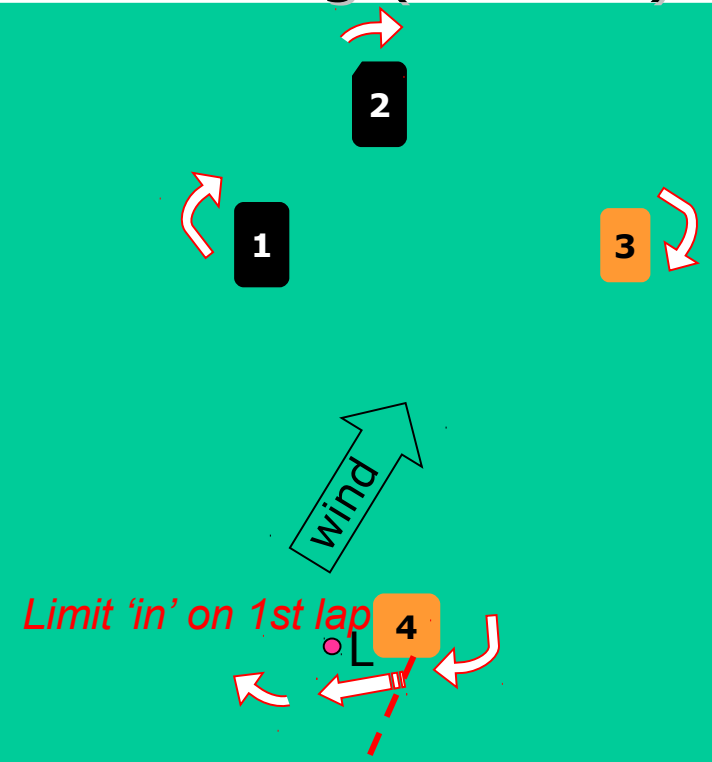
- ❑ Marks: anchor over the side first - make sure the rope and chain stream freely
- ❑ Start and finish buoys about 50m apart: check / adjust after laying the rest of the course, **to achieve an unbiased start line**
- ❑ **On-shore wind** within 0 to ~30 degrees of along-shore => **true start line at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





# Course Laying

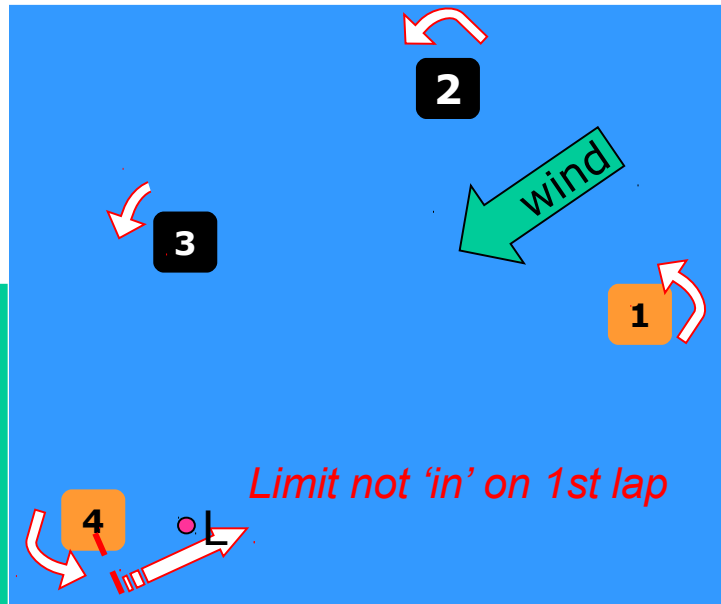
Offset Trapezium  
use Black Marks for  
outer leg (the run)



Typical Course LSC for NE

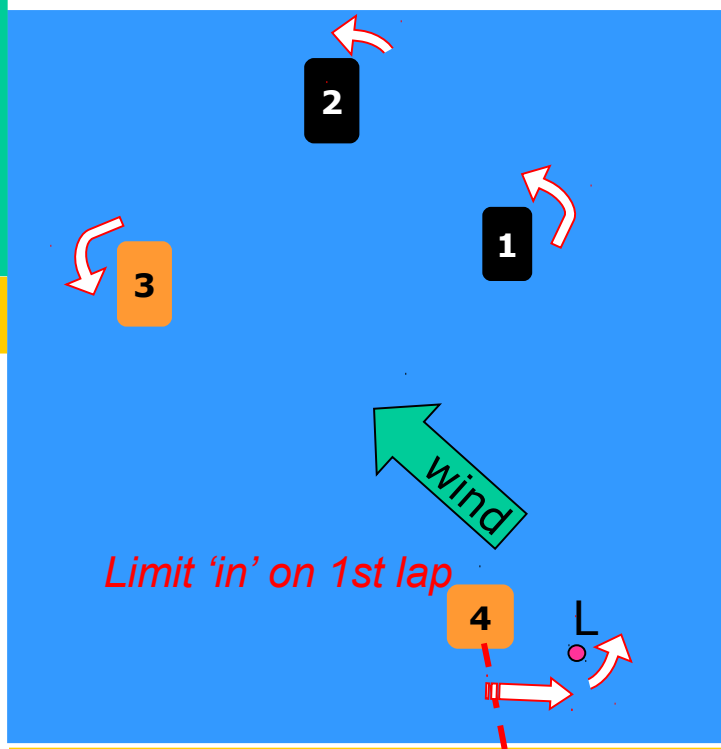
Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..

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



LSC Typical Course for SW

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



Typical Course for NW LSC

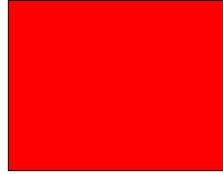
Course: L, 1, 2, 3, 4, L, 1, 2, 3, 4, L, etc..



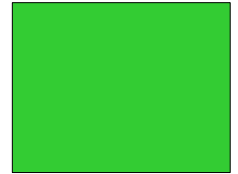
# Start

## Boards displayed on West Balcony

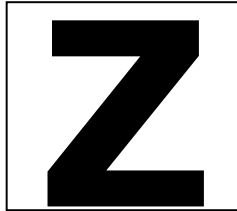
Marks to Port



or Starboard



Course Type

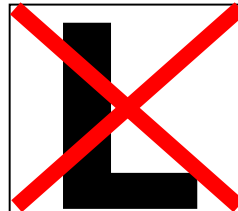


Limit Mark

- is a mark of the course
  - no board shown

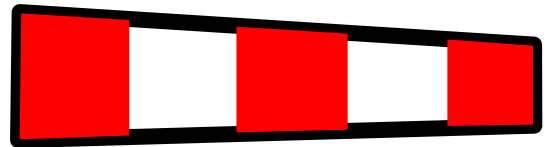


- is **not** a mark of the course on the 1st lap



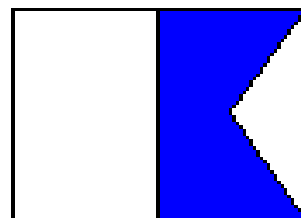
Postponement: **AP**

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



Change of Course: '**A**'

- 4 hoots when displayed





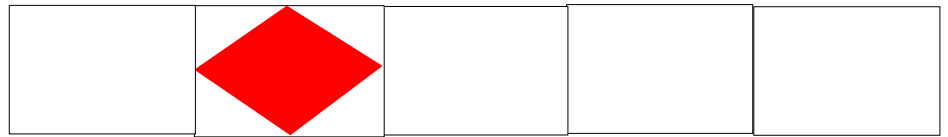
# Start

## Boards displayed on East Balcony

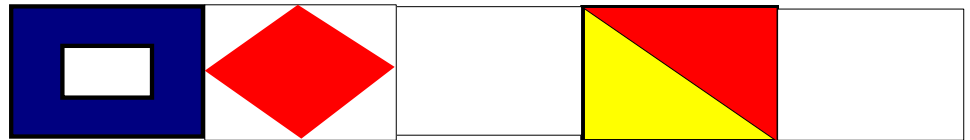
### TIME

'F' = fast fleet  
start time

F-6min



F-3min



F

Fast Start



F+3min

Slow Start



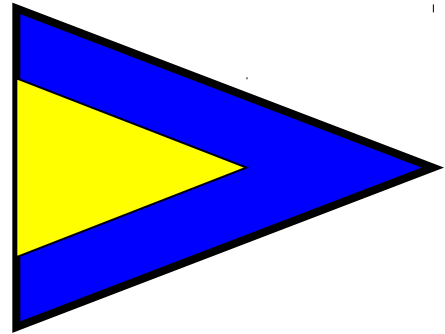
**Make sure all boards are ready to use, including postpone and both recall boards!**

**\*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

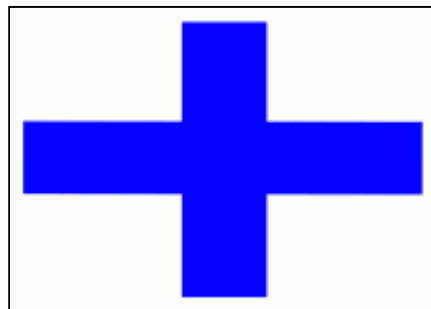


### □ General recall

- 2 hoots when shown
- recalled fleet:
  - either goes to the end of the queue (if other starts)
    - board withdrawn - no hoot - 1 minute before next start
  - or starts 4 minutes after recall signal withdrawn with 1 hoot
    - recalled fleet's warning and preparation signals shown together - one hoot - at 3 minutes to go to the start

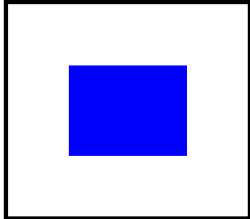
### □ Individual recall

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





# Finish - First Race

- After ~ 45 - 60 minutes
    - **start finishing both fleets at the same time**
      - if possible, try not to split the leaders in either fleet
    - 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**
  - instruct safety boat to 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

# Finish - Second Race

- **Second race finish**
  - same procedure as above
  - marks to be recovered after all boats have finished



# Organisation

## □ Shore Team - Race Officer and Ass't RO:

- Ensure all are safely ashore before safety boat lands
- Assist in safety boat recovery / winch up beach
- Calculate results, using LCF adjusted PY H'caps.

$$\text{Corrected average lap time} = \frac{\text{Total elapsed time} \times 1000}{\text{LCF H/Cap} \times \text{No. of laps}}$$

- Check that all who started racing have been included
- 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, close shutter
- Switch off power supply but leave radio chargers on timer
- Lock up race box
- Check that annexe hut and gate are locked
- Put boards in at top of ramp, if high tides are likely
- Check that club is secure (or delegate) before leaving

## □ Safety Boat Helm and Crew:

- Remove marks but do not disconnect fuel tanks from RIBs
- Run up engine to flush cooling system with fresh water
- Avoid getting water in air intake!
- Wash boats, engines and trolleys before re-housing
- Lock posts and huts
- Radio handsets - wash, dry, switch off and put into chargers - 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 2013**

<b>RS 800</b>	<b>820</b>
<b>RS 700</b>	<b>860</b>
<b>Laser 4000</b>	<b>911</b>
<b>29er</b>	<b>923</b>
<b>RS 400</b>	<b>948</b>
<b>RS 500</b>	<b>978</b>
<b>Contender</b>	<b>985</b>
<b>RS 100 (8.4)</b>	<b>1005</b>
<b>Phantom</b>	<b>1018</b>
<b>Laser &gt;&gt;</b>	<b>1045</b>
<b>Laser 3000</b>	<b>1059</b>
<b>RS 200</b>	<b>1066</b>
<b>Laser</b>	<b>1107</b>
<b>RS Vision</b>	<b>1119</b>
<b>Laser Radial</b>	<b>1146</b>
<b>Streaker</b>	<b>1195</b>
<b>Laser 4.7</b>	<b>1235</b>
<b>Miracle</b>	<b>1265</b>
<b>RS Feva XL</b>	<b>1281</b>
<b>Feva (youth)</b>	<b>1330</b>
<b>Pico</b>	<b>1439</b>
<b>Topper</b>	<b>1464</b>
<b>RS Tera</b>	<b>1783</b>

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