

2010 Handicap Rules

These rules are to cover the implementation of the Personal Handicap System (RYA YR2) they are in addition the Sailing Instructions.

There are 32 races that can be sailed to establish a handicap. These races must have 3 or more finishers with full handicaps (i.e. not Provisional or Lapsed) to be used as an adjusting race.

Races that do not count to establish a handicap are: Lymington Spit, Lady Helm, Round the Shingles, Swash Channel, Lilliput Challenge, Round the Island, Pursuit, Poole Passage, Single Handed, Yarmouth Passage.

As voted for at the cruiser class meeting the handicap system will be the Personal Handicap system using the RYA YR2 excel spreadsheet.

Yachts with a lapsed handicap must finish 1` handicap adjusting' race to be rated as a full handicap.

Yachts that do not complete a handicap-adjusting race in 2010 will be classed as having a lapsed handicap in 2011.

Series Races

Class 1 and 3 should sail the same first lap Class 1 will then sail additional legs*

Times for handicap adjustment will be taken after completion of the first lap.

Your PH number for the first race of that series in which you compete will define your class for the series. (PH 999 or less equals class 1) (PH 1000 or more class 3)

(In the Evening races courses must be appropriate for the conditions and the entries bearing in mind the 21.00 time limits)

Note: Handicaps taken after the first lap (presuming the yacht has not been disqualified at that time) will be used even if the yacht subsequently does not complete the race.

In the event that no class 1 yacht completes the course, times taken after the first lap will be used to produce the results.

FORMULAE AND ROUNDING

Corrected times (used for race results) and performance numbers (used for race assessment) are calculated by using the following formulae:

Calculation of corrected times for race results:

$$\text{Corrected Time (C)} = \frac{\text{Elapsed Time (E)}}{\text{Personal Handicap (PH)}} \times 1000$$

Calculation of performance numbers used for race assessment:

$$\text{Performance Number (or Sail to) (P)} = \frac{\text{Elapsed Time (E)}}{\text{Standard Corrected Time (SCT)}} \times 1000$$

See below for explanation of ACT and SCT

Times are expressed in seconds. When, after calculations, rounding of figures is required: figures with decimals of or greater than 0.5 shall be rounded to the next higher whole number; e.g. 1201.5 becomes 1202. figures with decimals less than 0.5 shall be rounded by deleting the decimals; e.g. 1201.4 becomes 1201.

RYA YR2 Performance Assessment:

The distribution of corrected times across a fleet will typically be 'skewed' since it is easier to make mistakes than to avoid them. The performance standard is defined as the corrected time achieved by the largest group of boats, the peak or 'mode' of the distribution, and the YR2 procedure allows for this typical distribution in calculating the Standard Corrected Time (SCT). The average of corrected times for the top two thirds of the (established handicap) boats in the race gives the Average Corrected Time (ACT). ACT+5%, corresponding to the statistically average performer relative to handicap two-thirds down the fleet, is added to define the 'poor performance' limit. The corrected times of all (established handicap boats faster than ACT+5% are then averaged to give the SCT for the race. This new group of boats may be the same as the original two thirds or more or less, depending on the performance distribution in each race. The elapsed time for each boat is divided by the SCT and multiplied by 1000 to give its 'achieved performance'. Corrected times worse than ACT+5% are defined as 'XX' and will be excluded in calculating a boat's average performance for handicap assessment these changes

Adjustment of the boat handicap number, (PH)

Corrected times better than the ACT + 5% will be carried forward and used to adjust the boats PH Number at the rate of 25% of the difference between the original and the yachts performance Number (or sail to) figure for that race.

$(\text{Achieved Handicap} - \text{Existing Handicap}) / 4 + \text{Existing Handicap} = \text{New Handicap}$

Where possible the ACT and SCT figures will be calculated using Boats with 6 or more qualifying Sail to Figures, these will be known as established handicaps.

New Handicaps.

New Yachts and Yachts that have changed owners will be given provisional handicaps by the Class Captain. These will initially be based on the handicaps of existing boats of the same type or where no similar yachts are at present racing, the number will be set in relation to similar yachts.

Significant modifications to a Yacht or consistent performance below the performance limit will be grounds for handicap adjustment at the discretion of the class captain.

Yachts with 3 and less races will be provisional handicaps and not eligible to win trophy races.