

Performance Ratings (Handicaps) [P/R]

Whichever title you prefer, the principle and the calculation is consistent with the aim being to provide an additional measure to assist understanding of and simplify the points approach as hitherto.

The essential basis of the calculation is that the rating expressed as a percentage represents a skipper's proportion of points scored (in Vane Sailing where the highest number wins) or avoided (in Radio Sailing where the lowest number wins).

This means that Vane and Radio results can in effect be compared such that for 2018 the Yachtmaster Trophy will continue to be awarded to the skipper attaining the highest performance rating within any class sailed so long as they achieve the qualifying level of the minimum number of events entered within that class. You may of course sail in as many classes as you wish, indeed it is the club committee's wish to encourage as much participation as possible.

The qualifying level will be the same for each class in percentage terms but the actual number may vary throughout the season depending upon water conditions. That will be a minimum of more than 50% of the events scheduled to be raced in the main lake calendar that are completed. Given that there are initially 13 series race days for each class on the main lake then the minimum number for any skipper's P/R to qualify will be in accordance with the table below. The number of events completed will therefore allow for weather and water conditions impacting upon the season.

Events	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Completed																	
Minimum of more than 50% to Qualify	9	9	8	8	7	7	6	6	5	5	4	4	3	3	2	2	1

In addition to the way in which the Yachtmaster Trophy will be awarded, the skipper whose P/R improves the most from one season to the next will also be awarded a trophy as long as they have not won a trophy within that class. This particularly means that skippers who might not regularly figure in leading positions in races still have an incentive to both race and improve and possibly win the overall improver's trophy.

The calculation will be based upon comparison between last season and the next as long as within each class that a skipper sails they have a minimum of 5 results to achieve a base 2017 season level. Where a skipper did not manage to complete at least 5 events within a class during the 2017 season, their 5 events will comprise those that they did manage in 2017 plus the number of their earliest 2018 results to make a level of 5 to be used as a base level of P/R in order then that their overall 2018 level can be assessed objectively in terms of improvement.

Whilst the formulae for the fundamental calculations has been published before, as a reminder and for those who might not have seen it, for Radio Sailing classes the result is expressed as a percentage, the formula is:

$$\frac{(P \times C) - S}{(C \times N)}$$

Where P is the maximum number of points possible (e.g. DNS/DNF/Ret)

C is the number of countable heats (making allowance for observer turns if any and discards)

S is the individual's net points score for that event

N is the number of competitors

For Vane Sailing the formula is:

$$\frac{S}{M}$$

Where S is the individual's total points scored at the event

M is the maximum possible number of points for that individual at that event

The result is again expressed as a percentage and makes adjustment for taking Byes into consideration.

Therefore during 2018, not only will race results be shown along with the normal points tables for each class but P/R tables will also be shown as the season progresses. Such tables will also indicate whether a rating as shown is a 'qualifying' one or not, normally indicated as 'Confirmed' or 'Provisional'

There will continue to be the normal event and class trophies awarded, as well as one for overall points, much as the Yachtmaster had been in the past. This will be for the skipper obtaining the highest points score from the maximum number of main weekend series events entered inclusive of as many of those classes as you wish to enter.

The qualification level for P/R ratings should not be confused with the method of calculating series points totals with the best X number of scores a skipper attains within a class, traditionally set and remaining at 65% rounded up.