

# Carsington Sailing Club Risk Assessment for Boats.

**Club Rule 16.1** All boats sailed from, berthed at, or moored off Carsington Sailing Club must have been assessed and approved under the Carsington Risk Rating System (See Appendix 1) and authorised by the Management Committee.

**CSC Rules Appendix 1.**

## Risk Assessment Procedure

### 1. Risk Assessment Scores

<u>Speed Assessment</u>	
<u>PY Range</u>	<u>Speed Score</u>
1031 >	1
1030 – 948	2
947 – 865	3
864 – 782	3.5
781 – 700	4
699 – 618	4.25
< 617	4.5

**Note:**

**ISAF/SCHRS conversion to PY:**

Multiply **ISAF/SCHRS** by **693.9** and round up to give **PY**.

<u>Assessment of Manoeuvrability</u>	<u>Manoeuvrability Score</u>
Very manoeuvrable not normally overpowered or tends to capsize quickly rather than run out of control.	1
Fairly manoeuvrable not normally overpowered or tends to capsize quickly rather than run out of control.	2
At least fairly manoeuvrable but quite likely to be overpowered and may continue upright for some distance.	3
Poor manoeuvrability or easily overpowered and likely to remain upright. Size and set of rudder may affect manoeuvrability in close proximity to other boats	4

Appendix 1: Risk Assessment continued

<b><u>Lookout Ability</u></b>	<b><u>Lookout Score</u></b>
Good all round visibility, relatively easy boat to sail. Take account of clear sails, large windows in sail	1
Visibility impaired but reasonable, not a complex boat to sail.	2
Poor visibility or hard boat to sail.	3

<b><u>Additional Protrusion from Bow</u></b>	<b><u>Bow Spit Score</u></b>
0 to 1m	1
1 to 1.5m	2
Over 1.5m	3

<b><u>Weight of boat plus crew</u></b> (assume 80kg per person)	<b><u>Weight Score</u></b>
Less than 200kg	1
200 to 300kg	2
300 to 500kg	3
500 to 1000kg	4
1000 to 1500kg	5
1500 to 2000kg	6

<b><u>Damage Features</u></b>	<b><u>Damage Score</u></b>
Low height	1
Moderate height	2
High height	3

## **2. Risk Assessment Calculation**

### **Risk of Collision Assessment**

**Risk of Collision = Speed Score x Manoeuvrability Score x Lookout Score x Bowsprit Score**

### **Collision Consequence Assessment**

**Collision Consequence = Speed Score x Weight Score x Damage Score.**

### **The Risk Rating Calculation for a boat is:**

**Risk Rating = Collision Score x Collision Consequence Score.**

## **Carsington Sailing Club Benchmark Risk Rating**

**For the purposes of assessment a score of 980 will be used as the benchmark for Carsington Sailing Club on the grounds that:**

- a) It includes boats known to the Club and with a record of acceptable safety**
- b) It includes boats existing within the Club or within similarly sized and organized Clubs**
- c) It includes boats nationally recognised by organisations such as the RYA**
- d) Account is taken of measurable factors such as manoeuvrability, vision, bow sprit, weight, and damage features.**
- e) All factors are considered with regard to the size of the water and the size and organization of the Club and the ability to provide safety cover on the water.**

**ALL BOATS ALLOWED TO SAIL FROM CARSINGTON SAILING CLUB MUST HAVE A RISK RATING EQUAL TO OR LESS THAN 980 AS ASSESSED BY THE RISK ASSESSMENT PROCEDURE FOR NEW BOATS.**

### **3. Temporary Risk Assessment**

**On occasions where the club receives requests from non members requiring to day sail boats which are not on the current “Boats Allowed to Sail List” and the proposed boat is well within the RA parameters to sail on Carsington water, the Services Manager is authorised to carry out a temporary risk assessment as defined in “Carsington Sailing Club Operating procedure “Temporary Risk Assessment for Day Sailing”.**

**A copy of the operating procedure is filed with the HSE Documentation retained in the club office.**