

# Simple Heat Racing System

***These rules will apply when Sailing Instructions state that racing will be run using the Simple Heat Racing System.***

## **1. GENERAL**

- 1.1 When each race will consist of two or more heats the series will consist of a Qualifying Series and a Final Series.
- 1.2 Qualifying Series  
Except for Race 1 during the Qualifying Series boats shall be assigned to heats based on their finishing position in the previous race.
- 1.3 Final Series  
Boats will be assigned to heats on the basis of their ranks the Qualifying Series.
- 1.4 The number of races in the Qualifying Series, or the method of determining when the Qualifying Series will end and the Final Series will start, shall be stated in the Sailing Instructions
- 1.5 If no races are completed in the Final Series boats will be ranked according to their series score in the Qualifying Series

## **2. NUMBER AND SIZE OF HEATS**

- 2.1 The number of heats shall be as few as possible.
- 2.2 For Race 1 of the Qualifying Series boats will be assigned, as far as possible to fleets of equal size and ability. The first extra boat will be assigned to Heat A, the second to Heat B and so on. For subsequent races boats will be assigned in accordance with SHRS 3.2

## **3. QUALIFYING SERIES**

- 3.1 The Notice of Race will state how boats will be seeded for Race 1. If no ranking or seeding list is available boats will be ranked first by alphabetical order of their national letter then by numerical order of their sail number. Boats will be assigned to heats starting from the top ranked boat in the order A, B, C, D, E, E, D, C, B, A.....
- 3.2 Qualifying Series after Race 1  
After Race 1 boats will be assigned to heats based on their finishing place in the previous race place as recorded according to SHRS 5.3.  
The Race Committee shall inform boats in writing which Heat Movement Table shall apply.

## **4. FINAL SERIES**

- 4.1 There will be the same number of fleets in the Final Series as heats in the Qualifying Series. Boats shall remain in the same Fleet throughout the Final Series. Fleets will be designated as Fleets One, Two, Three and Four, unless otherwise indicated in the sailing instructions. The Fleets shall, as far as possible, have an equal number of boats. Fleet 2 shall be no larger than Fleet 1 the Fleet 3 no larger than Fleet 2 and Fleet 4 no larger than Fleet 3.  
Boats will be assigned to fleets on the basis of their ranking in the Qualifying Series, with the best ranked boats being assigned to Fleet 1.
- 4.2 If the Qualifying Series consists of more than five but less than eight completed races, then a boat's second worst race score shall be temporarily excluded but only for the purpose of establishing a ranking for assigning boats to fleet in the Final Series.

- 4.3 In the Final Series a race for each fleet shall consist of one heat. The Race Committee may change the heat schedule in the Final Series so as to run two or more consecutive races for the same fleet.
- 4.4 In the Final Series fleets may not all sail the same number of races.

## 5. SCORING

- 5.1 RRS Appendix A Low Point Scoring System shall apply for the Qualifying and Final Series except as changed by 5.2 to 5.6 below.
- 5.2 In RRS A4.2 replace “the number of boats entered in the series” with “The number of boats in the largest heat”.
- 5.3 Boats shall be recorded in the order of their finishing place in the heat and then, for each heat, in the order DNF, RET, OCS, DNS, DNC, WTH (DNC - withdrawn from series), UFD, BFD, DSQ or DNE. Ties will be recorded in alphanumerical order of national letter and sail number.
- 5.4 A boat’s series score in the Qualifying and Final Series will be the total of her race score’s in that series, except that:
- After 4 races have been completed in that series a boat’s score will be the total of her races scores in that series excluding her worst score in that series;
  - After 8 races have been completed in that series, a boats score in that series will be the total of her race scores in that series excluding her two worst scores in that series.
  - In each series 1 additional race score will be excluded for every 8 additional races completed.
- A boat’s overall series score will be the total of her series score in the Qualifying and Final Series. The boat with the lowest overall series score in Fleet 1 wins. Other boats will be ranked accordingly with boats in Fleet 1 ranked before boats in Fleet 2, boats in Fleet 2 before boats in Fleet 3 and so on.
- 5.5 Redress:
- If the protest committee decides to give redress based on average points, averages shall be calculated separately for Qualifying and Final Series
- 5.6 Event ties shall be broken as follows:
- i. Single heat events - RRS A8.1 and A8.2
  - ii. Multiple heat events.
    - (a) RRS A8.1 and A8.2 except that :
      - 1) Only scores for races in which the tied boats competed in the same heat shall be used to break ties.
      - 2) For the purposes of breaking ties excluded scores shall be used. This changes RRS 8.1
    - (b) If the tied competitors did not sail against each other in any heat RRS 8.1 and 8.2 shall be used without modification

### Heat Movement Tables (Qualifying Races Only)

Be aware that when there is a difference in the number of boats in heats (e.g. 16 in A heat and 15 in B heat) at the start of the event the largest heart size could move from one heat to another.

## Heat Movement Tables (Qualifying Races Only) - continued

There are two sets of tables which produce the same result BUT approach the situation from a different perspective. Use the set that best suits your way of thinking.

Table 1 shows heat composition for 2, 3, and 4 heats working backward based on the heat (letter) and place (number) in the previous race.

**Table 1**

2 Heats ****	
A	B
A1	B1
B2	A2
A3	B3
B4	A4
A5	B5
B6	A6
A7	B7
B8	A8
A9	B9
B10	A10
A11	B11
B12	A12
A13	B13
B14	A14
A15	B15
B16	A16
A17	B17
B18	A18
A19	B19
B20	A20

3 Heats		
A	B	C
A1	B1	C1
B2	C2	A2
C3	A3	B3
A4	B4	C4
B5	C5	A5
C6	A6	B6
A7	B7	C7
B8	C8	A8
C9	A9	B9
A10	B10	C10
B11	C11	A11
C12	A12	B12
A13	B13	C13
B14	C14	A14
C15	A15	B15
A16	B16	C16
B17	C17	A17
C18	A18	B18
A19	B19	C19
B20	C20	A20

4 Heats			
A	B	C	D
A1	B1	C1	D1
B2	C2	D2	A2
C3	D3	A3	B3
D4	A4	B4	C4
A5	B5	C5	D5
B6	C6	D6	A6
C7	D7	A7	B7
D8	A8	B8	C8
A9	B9	C9	D9
B10	C10	D10	A10
C11	D11	A11	B11
D12	A12	B12	C12
A13	B13	C13	D13
B14	C14	D14	A14
C15	D15	A15	B15
D16	A16	B16	C16
A17	B17	C17	D17
B18	C18	D18	A18
C19	D19	A19	B19
D20	A20	B20	C20

Examples:

2 heat race: <b>B</b> heat comprises boats that in the previous race finished:
1 <sup>st</sup> in <b>B</b> heat
2 <sup>nd</sup> in <b>A</b> heat
3 <sup>rd</sup> in <b>B</b> heat
and so on

3 heat race: <b>B</b> heat comprises boats that in the previous race finished:
1 <sup>st</sup> in <b>B</b> heat
2 <sup>nd</sup> in <b>C</b> heat
3 <sup>rd</sup> in <b>A</b> heat
and so on

4 heat race: <b>B</b> heat comprises boats that in the previous race finished:
1 <sup>st</sup> in <b>B</b> heat,
2 <sup>nd</sup> in <b>C</b> heat,
3 <sup>rd</sup> in <b>D</b> heat
4 <sup>th</sup> in <b>A</b> heat
and so on.

Same principle should be used for more heats or more boats in a heat

## Heat Movement Tables (Qualifying Races Only) - continued

Table 2 on the other hand looks at the last completed race results to determine which heat a boat will be in for the next race.

**Table 2**

2 Heats ****		
Last Race		
Plc	A	B
	Next Race Heat	
1	A	B
2	B	A
3	A	B
4	B	A
5	A	B
6	B	A
7	A	B
8	B	A
9	A	B
10	B	A
11	A	B
12	B	A
13	A	B
14	B	A
15	A	B
16	B	A
17	A	B
18	B	A
19	A	B
20	B	A

3 Heats			
Last Race			
Plc	A	B	C
	Next Race Heat		
1	A	B	C
2	C	A	B
3	B	C	A
4	A	B	C
5	C	A	B
6	B	C	A
7	A	B	C
8	C	A	B
9	B	C	A
10	A	B	C
11	C	A	B
12	B	C	A
13	A	B	C
14	C	A	B
15	B	C	A
16	A	B	C
17	C	A	B
18	B	C	A
19	A	B	C
20	C	A	B

4 Heats				
Last Race				
Plc	A	B	C	D
	Next Race Heat			
1	A	B	C	D
2	D	A	B	C
3	C	D	A	B
4	B	C	D	A
5	A	B	C	D
6	D	A	B	C
7	C	D	A	B
8	B	C	D	A
9	A	B	C	D
10	D	A	B	C
11	C	D	A	B
12	B	C	D	A
13	A	B	C	D
14	D	A	B	C
15	C	D	A	B
16	B	C	D	A
17	A	B	C	D
18	D	A	B	C
19	C	D	A	B
20	B	C	D	A

### Examples

2 heat race: – next heats: - all places are from the last <b>B</b> heat:
1 <sup>st</sup> stays in <b>B</b> heat
2 <sup>nd</sup> goes to <b>A</b> heat,
3 <sup>rd</sup> stays in <b>B</b> heat
and so on

3 heat race– next heats: - all places are from the last <b>B</b> heat:
1 <sup>st</sup> stays in <b>B</b> heat
2 <sup>nd</sup> goes to <b>A</b> heat
3 <sup>rd</sup> goes to <b>C</b> heat
and so on

4 heat race– next heats: - all places are from the last <b>B</b> heat:
1 <sup>st</sup> stays in <b>B</b> heat
2 <sup>nd</sup> goes to <b>A</b> heat
3 <sup>rd</sup> goes to <b>D</b> heat
4 <sup>th</sup> goes to <b>C</b> heat
and so on

\*\*\*\*: In 2 heat events it is possible to change the movement to “odd places to A and even places to B”. However, be aware that with entries of 10, 14, 18, 22, 26, 30, 34 and 38 every second race will result in A heat having 2 more boats than B Heat.