

ROYAL PRINCE ALFRED
YACHT CLUB

HARKEN[®]
AT THE **FRONT**

2024 HARKEN INTERNATIONAL YOUTH MATCH RACING CHAMPIONSHIP

Monday 18 to Friday 22 November 2024

SAILING INSTRUCTIONS

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ORGANISING AUTHORITY & HOST CLUB

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REGATTA WEBSITE

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1. RULES

- 1.1 The event is governed by the rules as detailed in NoR 1.
- 1.2 When the umpires proceed under RRS C8.6 they will be guided by SI Addendum D.
- 1.3 Further to NoR 1.4, the RRS is changed as follows;
 - (a) When AP is displayed ashore, '1 minute' is replaced with 'not less than 30 minutes' in the Race Signals AP.
 - (b) RRS 32 is deleted and replaced with: 'After the starting signal, the RC may abandon or shorten any match for any reason, after consulting with the match umpires when practical.
 - (c) Within a flight, when a visual signal is displayed over a numeral pennant, the signal applies to that match only. This changes Race Signals.

2. CHANGES TO SAILING INSTRUCTIONS

- 2.1 Any change to the SI will be posted before **1000hrs** on the day it will take effect, except that any change to the schedule of races will be posted by **1800hrs** on the day before it will take effect.
- 2.2 Flag L over the numeral pennant of the most recent amendment will be displayed ashore on the day it will take effect until the boats have departed for the race course.
- 2.3 Changes to a SI may be made on the water. These will be signalled by the display of flag 3rd substitute with three sound signals from the Race Committee Vessel. An umpire may communicate these race committee changes either verbally or in writing.

3. COMMUNICATIONS WITH COMPETITORS

- 3.1 Further to NoR 3, when on the water, the Race Committee may communicate with competitors, via the Umpires.
- 3.2 A 'WhatsApp' group *may* be used for timely communication to competitors; this does not substitute for the Official Noticeboard. If requested by the OA, at least one (1) team representative shall join the group.

4. BOATS AND SAILS

- 4.1 Boats will be identified by bow numbers.
- 4.2 The sail combination to be used will be signalled from the Race Committee Vessel with or before the attention signal. The signals will have the following meanings:

SIGNAL	SAIL COMBINATION TO BE USED
No signal displayed	Mainsail, Jib & Spinnaker
Code Flag 'R'	Mainsail, & Jib

5. FLIGHTS AND MATCHES

Further to NoR 7:

- 5.1 The match pairing lists will be detailed in SI Addendum E.
- 5.2 The next flight number will be displayed on the Race Committee Vessel.
- 5.3 The RC may change the order of matches within a flight to allow starts to be brought forward to eliminate blank starts or to add a delayed match start to the end of a flight. The RC will advise Competitors of any such change.
- 5.4 When a match cannot start at its intended time and the RC has not changed the order of matches as allowed in SI 5.3, the signals and starts of the following matches will remain as originally scheduled, leaving a blank start for the pair not starting. A **white** flag will be displayed from the time of the warning signal to the starting signal for the blank start.

- 5.5 **Starting Signals:** C3.1 is changed so that Flag F (Attention Signal) is displayed one (1) minute before the first Warning Signal of each flight.

6. COURSES

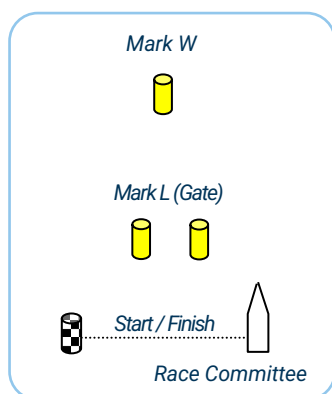
- 6.1 Signals and Course to be sailed

Course signals will be displayed from the Race Committee Vessel, at or before the Warning Signal.

Mark W (windward) shall be rounded to **Starboard**.

Mark L (leeward gate) will be a gate and may be laid approx. 50m to windward of the starting line.

Boats shall pass between the marks of the gate from the direction of the previous mark. In the event one gate mark is missing, the remaining mark shall be rounded to **Starboard**.



Course Configuration (not to scale)

SIGNAL	COURSE
No Signal	START – W – L – W – FINISH
Code Flag 'W'	START – W – L – W – L – W – FINISH
Code Flag 'S'	START – W – FINISH

7. MARKS / STARTING AND FINISHING LINE

- 7.1 Mark W and Marks L (Gate) are **yellow** inflatable buoys.
- 7.2 The replacement marks, as provided in SI 8, are **red** or **green** inflatable buoys.
- 7.3 When looking up the course, the starting and finishing line is between a staff displaying a **pink** flag on the Race Committee Vessel at the starboard end and the course side of a **black & white** inflatable buoy at the port end.

8. CHANGE OF THE NEXT LEG OF THE COURSE

- 8.1 To change the next leg of the course, the RC will signal the colour of what mark is now ending the next leg.

RRS 33 and Race Signals is changed as follows:

- Flag C and a coloured flag or board, means: 'The windward mark has been moved. Sail to a mark of the same colour as the flag or board.'
- When a change of course after starting only affects some matches, these will be designated by the appropriate numeral pennant.
- When a change of course is made for the first leg, the signal will be displayed from the RCV with the preparatory signal for each match affected. The preparatory signal will be followed by a series of repetitive sound signals.
- When a change of course is signalled after the first leg it will be displayed from a boat in the vicinity of Mark L.

9. [NP] OBSTRUCTIONS

- 9.1 The following areas are designated as obstructions. A breach of this Sailing Instruction is not open to protest by boats but is subject to action by umpires in accordance with RRS C8.2. This changes RRS C6.2 and C8.2.

- (a) A buoy may be attached to the Race Committee Vessel anchor line at just below keel depth. Boats shall not pass between this buoy and the Race Committee Vessel at any time. This area is designated as an obstruction. As part of the anchor line, this buoy is not part of the starting mark.
- (b) While racing, no part of a boat's hull shall sail within the area bounded by an imaginary line between two adjacent moorings and the adjacent shoreline. All navigational marks shall be passed on their designated side when boats are racing.

10. BREAKDOWN AND TIME FOR REPAIRS

- 10.1 Before the attention signal of a flight or within two (2) minutes of finishing or within five (5) minutes of changing into a new boat, whichever is later, a boat may display a **green** flag to signal breakdown or damage to the boat, her sails or injury to her crew and request a delay to the next start. She shall proceed as soon as possible to a position just to leeward of the Race Committee Vessel and remain there, unless otherwise directed.
- 10.2 The time allowed for repairs will be at the discretion of the RC.
- 10.3 After the attention signal of a flight, a match will not be postponed or abandoned due to breakdown unless the breakdown signal was displayed as required by SI 10.1.
- 10.4 Except when RRS 62.1(b) applies, failure to effect repairs in the time allowed, or breakdowns after the attention signal shall not be grounds for redress. This changes RRS 62.

11. TIME LIMIT

- 11.1 A boat that does not finish within five (5) minutes after her opponent has Sailed the Course, will be scored zero points. This changes RRS 35.

12. RISK STATEMENT

- 12.1 Refer to NoR 14.

SI ADDENDUM A – LIST OF ELIGIBLE SKIPPERS

In ranking order from the World Sailing Youth Rankings, released 01-Oct-24

	SKIPPER	CLUB	COUNTRY	WORLD SAILING ID	YOUTH RANKING
1	Daniel KEMP	Royal Prince Alfred Yacht Club	AUS	AUSDK25	06
2	Hayden SMITH	Royal New Zealand Yacht Squadron	NZL	NZLHS9	12
3	Ethan FONG	Royal New Zealand Yacht Squadron	NZL	NZLEF2	13
4	Ben CRAFOORD	Cruising Yacht Club of Australia	AUS	AUSBC42	29
5	Hugo BUTTERWORTH	Royal Prince Alfred Yacht Club	AUS	AUSHB18	35
6	Charley CATES	Royal New Zealand Yacht Squadron	NZL	NZLCC12	56
7	James HAYHOE	Royal Sydney Yacht Squadron	AUS	AUSJH79	72
8	Thomas REES	Royal Sydney Yacht Squadron	AUS	AUSTR23	129

SI ADDENDUM B – HANDLING of BOATS

1 GENERAL

[NP] Other restrictions or instructions may be given to the boats verbally by the RC or via an umpire. Flag 3rd substitute is not required.

2 [NP] PROHIBITED ACTIONS

Except in an emergency or in order to prevent damage or injury, or when directed by an umpire otherwise, the following are prohibited:

- 2.1 Any additions, omissions or alterations to the equipment supplied.
- 2.2 The use of any supplied equipment for a purpose other than that intended or specifically permitted.
- 2.3 The replacement of any equipment without the sanction of the RC.
- 2.4 Modifying or sailing the boat in a manner that it is reasonable to predict that damage, or significant further damage, would result.
- 2.5 Moving equipment from its normal stowage position except when being used.
- 2.6 Boarding a boat without prior permission.
- 2.7 Taking a boat from its berth or mooring without having paid the required damage deposit or having permission from the RC, or, on race days, while 'AP' is displayed ashore.
- 2.8 Hauling out a boat or cleaning surfaces below the waterline.
- 2.9 Marking directly on the hull or deck with permanent ink, using duct tape or using any tape that leaves a residue.
- 2.10 Using a flattener as a reef or using a reef line as an outhaul.
- 2.11 Cross winching foresail sheets.
- 2.12 Omitting any headsail car or turning block before sheeting onto a winch.
- 2.13 Adjusting or altering the tension of standing rigging, excluding the backstay.
- 2.14 Using a winch to adjust the mainsheet, backstay or vang.
- 2.15 Using the spinnaker pole to wing out the foresail.
- 2.16 Radio transmission and using a mobile telephone while racing, except to report damage, or to communicate with the RC, or in an emergency.
- 2.17 ~~[DELETED] After the starting signal and while sailing close hauled for more than a few seconds, the main boom position shall be controlled only by using the mainsheet as it exits the block on the cockpit floor, and the vang.~~
- 2.18 The use of the shrouds (including any inner shrouds) above the lower bottle screw (turnbuckle) to facilitate tacking or gybing, or to aid the projection of a crew member outboard is prohibited.
- 2.19 ~~[DELETED] Having the head of the spinnaker above the main boom gooseneck on a leg of the course between marks WP and WS until her bow is within two hull lengths of the mark at the end of the leg.~~
- 2.20 Having the bowsprit extended, except when in the process of setting, flying or taking down the spinnaker. The bowsprit shall be fully retracted at the first reasonable opportunity after taking down the spinnaker. A boat that does not retract the bowsprit fully may be warned and given an opportunity to correct the error.
- 2.21 Extending the bowsprit before getting on the new leg of the course, after entering the zone of a rounding mark without a spinnaker set.
- 2.22 ~~[DELETED] Fixing a spinnaker sheet catcher at the bow that extends the length of the boat more than 100 mm or requires any repair after removal. Note: a spinnaker sheet catcher that satisfies this rule is allowed.~~
- 2.23 A breach of SI B 2.15, 2.17, 2.18, 2.19, 2.20 or 2.21 is subject to action by Umpires in accordance with RRS C8.2. This changes RRS C6.2 and C8.2.

3 PERMITTED ITEMS – only the following are permitted:

3.1 Taking on board the following equipment:

- (a) Clothing and personal items suitable for the conditions and time on the boat.
- (b) Food and drink suitable for the conditions and time on the boat.
- (c) basic hand tools
- (d) adhesive tape
- (e) line (elastic or otherwise of 4 mm diameter or less)
- (f) marking pens
- (g) tell tale material
- (h) hand held compasses, watches, timers and small personal video devices such as GoPro
- (i) shackles and clevis pins
- (j) ~~[DELETED] velcro tape~~
- (k) ~~[DELETED] bosun's chair~~
- (l) spare flags
- (m) ~~[DELETED] items to make a spinnaker sheet catcher at the bow.~~
- (n) Items with the approval of the OA, Race Committee or Umpires.

3.2 Changing the number of mainsheet purchases.

4 MANDATORY ACTIONS – the following are required:

4.1 The completion of a written damage report before leaving a boat and submitting it to the RC, even if no damage or loss is recorded. Reports shall include any evidence of matters which could cause damage or disadvantage to the boat in future matches. When boat swaps are carried out on the water, the report should be made verbally to the RC as soon as possible.

4.2 At the end of each sailing day:

- (a) folding, bagging and placement of the sails as directed
- (b) leaving the boat in the same state of cleanliness as when first boarded that day
- (c) ~~[DELETED] releasing backstay tension~~

4.3 At the end of the final day for a particular boat, cleaning the boat (cabin and decks), removing all trash and removing all tape and marks.

4.4 Any request to alter, in any way, the equipment on a boat shall be in writing and worded to permit a yes/no answer.

4.5 Complying with any regulations, including speed restrictions and navigation marks, while leaving or returning to the berth or mooring.

4.6 ~~[DELETED] Leaving the engine gear lever in the reverse position while racing.~~

4.7 A breach of items 4.2 and 4.3 will be considered as damage and the cost of rectification will be deducted from the damage deposit.

SI ADDENDUM C – EQUIPMENT LIST

The following non-fixed items, provided by the OA, are to be carried on board at all times in their designated place while sailing. Any loss shall be reported on the daily damage report.

SAILS and SAILING EQUIPMENT

- Mainsail and set of battens
- Headsail
- Spinnaker (Asymmetrical 2024)
- ~~Spinnaker pole (Removed 2024)~~
- Spinnaker sheets
- Headsail sheets
- Tiller extension
- Two Jib cars
- Green damage Flag
- Yellow Flag
- Blue Flag
- Red protest Flag
- Y Flag
- Towing Line

SAFETY GEAR

- 5 x PFD 1's
- 2 x Bucket with lanyard
- 2 x Paddles
- 1 x Knife
- 1 x First aid kit
- 1 x Sound device
- 1 x Torch
- 1 x Storage Container
- 1 x Bilge Pump System

GROUND TACKLE

- 1 x Anchor and warp

SI ADDENDUM D – DAMAGE PENALTIES

Match Racing Penalties for Damage resulting from contact between boats

Appendix C6.6 and C8.6 permits the umpires or protest committee to decide the penalty when a boat breaks RRS 14. This document explains how damage will be assessed and gives general guidance on the appropriate penalty. When the protest committee has good reasons to do so, it may apply a different penalty.

Damage will be divided into 3 levels as shown in the following table:

Level	Extent	Effect
Level A Minor Damage	Does not significantly affect the value, general appearance, or normal operation of the boat.	Boat may race without repair although some minor surface work may be required after the event. Repairs should not normally require more than 1 hour of work.
Level B Damage	Affects the value and/or general appearance of the boat	The damage does not affect the normal operation of the boat in that race but may need some (temporary) work before racing again. Requires more than 1 hour of work but should not normally require more than 3 hours of work.
Level C Major Damage	The normal operation of the boat is compromised, and its structural integrity may be impaired.	The boat will need some repair work before racing again. Requires more than 3 hours of work.

Point Penalties - to be applied without a hearing (this amends RRS C8.6);

Level	Round Robin	Knock Out
A	None	None
B	Half point	Three quarters of a point
C	One point	One point

When both boats break RRS 14, they should both receive a points penalty. If a competitor requests a hearing when a points penalty is imposed, the protest committee may decide (in the hearing) to give a greater penalty.

Deductions from Damage Deposits

The assessment of damage level is only for the purpose of points penalties and is not linked to any deductions from the competitor's damage deposits.

Any points penalty will be based on the assessment of damage level made on the water. Subsequent assessments of the damage level after closer inspection, whether the level turns out to be higher or lower, will have no effect on the points penalty given on the water.

SI ADDENDUM E – PAIRING LIST

		Stage 1 / RR 1		Flight 1				Flight 2	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		E.FONG		C.CATES	1		E.FONG		H.BUTTERWORTH
2		B.CRAFOORD		H.BUTTERWORTH	2		J.HAYHOE		D.KEMP
3		J.HAYHOE		H.SMITH	3		T.REES		H.SMITH
4		T.REES		D.KEMP	4		B.CRAFOORD		C.CATES
Bye					Bye				
				Flight 3				Flight 4	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		H.SMITH		H.BUTTERWORTH	1		B.CRAFOORD		T.REES
2		T.REES		E.FONG	2		H.SMITH		C.CATES
3		B.CRAFOORD		J.HAYHOE	3		D.KEMP		H.BUTTERWORTH
4		C.CATES		D.KEMP	4		E.FONG		J.HAYHOE
Bye					Bye				
				Flight 5				Flight 6	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		D.KEMP		B.CRAFOORD	1		H.SMITH		B.CRAFOORD
2		C.CATES		J.HAYHOE	2		C.CATES		T.REES
3		H.SMITH		E.FONG	3		D.KEMP		E.FONG
4		H.BUTTERWORTH		T.REES	4		H.BUTTERWORTH		J.HAYHOE
Bye					Bye				
				Flight 7		Stage 1 / RR 2		Flight 8	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		E.FONG		B.CRAFOORD	1		C.CATES		E.FONG
2		J.HAYHOE		T.REES	2		H.BUTTERWORTH		B.CRAFOORD
3		H.BUTTERWORTH		C.CATES	3		H.SMITH		J.HAYHOE
4		D.KEMP		H.SMITH	4		D.KEMP		T.REES
Bye					Bye				
				Flight 9				Flight 10	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		H.BUTTERWORTH		E.FONG	1		H.BUTTERWORTH		H.SMITH
2		D.KEMP		J.HAYHOE	2		E.FONG		T.REES
3		H.SMITH		T.REES	3		J.HAYHOE		B.CRAFOORD
4		C.CATES		B.CRAFOORD	4		D.KEMP		C.CATES
Bye					Bye				
				Flight 11				Flight 12	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		T.REES		B.CRAFOORD	1		B.CRAFOORD		D.KEMP
2		C.CATES		H.SMITH	2		J.HAYHOE		C.CATES
3		H.BUTTERWORTH		D.KEMP	3		E.FONG		H.SMITH
4		J.HAYHOE		E.FONG	4		T.REES		H.BUTTERWORTH
Bye					Bye				
				Flight 13				Flight 14	
Match	Boats	Blue	Boats	Yellow	Match	Boats	Blue	Boats	Yellow
1		B.CRAFOORD		H.SMITH	1		B.CRAFOORD		E.FONG
2		T.REES		C.CATES	2		T.REES		J.HAYHOE
3		E.FONG		D.KEMP	3		C.CATES		H.BUTTERWORTH
4		J.HAYHOE		H.BUTTERWORTH	4		H.SMITH		D.KEMP

SI ADDENDUM E – PAIRING LIST (cont.)

		Stage 2 & 3		Flight 15				Flight 16		
Match	Boats	Blue	Boats	Yellow		Match	Boats	Blue	Boats	Yellow
1		5th to 8th (B)		5th to 8th (B)		1		5th to 8th (B)		5th to 8th (B)
2		5th to 8th (A)		5th to 8th (A)		2		5th to 8th (A)		5th to 8th (A)
3		Semi Final 2		Semi Final 2		3		Semi Final 2		Semi Final 2
4		Semi Final 1		Semi Final 1		4		Semi Final 1		Semi Final 1
Bye						Bye				
				Flight 17				Flight 18		
Match	Boats	Blue	Boats	Yellow		Match	Boats	Blue	Boats	Yellow
1		5th to 8th (B)		5th to 8th (B)		1		5th to 8th (B)		5th to 8th (B)
2		5th to 8th (A)		5th to 8th (A)		2		5th to 8th (A)		5th to 8th (A)
3		Semi Final 2		Semi Final 2		3		Semi Final 2		Semi Final 2
4		Semi Final 1		Semi Final 1		4		Semi Final 1		Semi Final 1
Bye						Bye				
				Flight 19		Stage 2, 4 & 5		Flight 20		
Match	Boats	Blue	Boats	Yellow		Match	Boats	Blue	Boats	Yellow
1		5th to 8th (B)		5th to 8th (B)		1		7th / 8th		7th / 8th
2		5th to 8th (A)		5th to 8th (A)		2		5th / 6th		5th / 6th
3		Semi Final 2		Semi Final 2		3		Petit Final		Petit Final
4		Semi Final 1		Semi Final 1		4		Final		Final
Bye						Bye				
				Flight 21				Flight 22		
Match	Boats	Blue	Boats	Yellow		Match	Boats	Blue	Boats	Yellow
1		7th / 8th		7th / 8th		1		7th / 8th		7th / 8th
2		5th / 6th		5th / 6th		2		5th / 6th		5th / 6th
3		Petit Final		Petit Final		3		Petit Final		Petit Final
4		Final		Final		4		Final		Final
Bye						Bye				
		Stage 4 & 5		Flight 23				Flight 24		
Match	Boats	Blue	Boats	Yellow		Match	Boats	Blue	Boats	Yellow
1		Final		Final		1		Final		Final
X		X		X		X		X		X
X		X		X		X		X		X
X		X		X		X		X		X
Bye						Bye				