



POLICY DOCUMENT

# AUSTRALIAN TRAILABLE YACHT AND SPORTS BOAT RULE

FOR TRAILABLE YACHTS AND SPORTS BOATS WITH A CLASS BASED HANDICAP (CBH)

July 2019

## 1.0 OBJECTIVE:

- 1.01 The objective of the Australian Trailable Yacht and Sports Boat Rule (ATYSBR), hereinafter called "the Rule", is to provide a national system for even and fair racing on handicap in a mixed fleet of trailable yachts and/or sports boats, resulting in racing success being primarily determined by the skills of the crew.
- 1.02 This Rule shall apply to the conduct of national and state-level Trailable Yacht and Sports Boat championships and should apply for club and other events.

## 2.0 DEFINITIONS:

### 2.01 Class Based Handicap:

The Class Based Handicap (CBH) is a calculated rating applicable to an individual trailable yacht or sports boat, or a class of Trailable yachts or sports boats, to achieve the objective at Section 1 when sailing in a mixed fleet.

### 2.02 Trailable Yacht or Sports Boat:

For this Rule, a Trailable Yacht or Sports Boat is a monohull, ballasted yacht with a retractable keel, being of 9.40 metres LOA or less, which can be transported on the road on the same trailer used to launch and retrieve it without the assistance of external equipment or detachment from the towing vehicle and without requiring a special road permit.

A **Trailable Yacht** has a displacement type hull which displaces a body of water equal to the weight of the boat. As a guide, the maximum speed of any displacement hull is governed by a simple formula, Hull speed in knots equals 1.34 times the square root of the waterline length in feet; ( $HS = 1.34 \times \sqrt{LWL}$ ).

A Sports Boat has a planing type hull which initially displaces an amount of water equal to the weight of the boat. At a suitable wind speed, the sails will provide sufficient power to increase the displacement hull speed to a value which enables the hull to produce hydrodynamic lift, and the hull will transition to the planing mode.

### 2.03 Standard Trailable Yacht:

A Standard Trailable Yacht is a displacement type boat having a cabin of solid construction enclosing at least two functional berths. The cabin shall have minimum headroom measured vertically and continuously over the total area of one square metre of the cabin sole with hatches, pop tops etc., closed off.

- For craft less than 6.00 m LOA - 0.90 m
- For craft of 6.00 m LOA or longer - 1.05 m

### **Standard Sports Boat:**

A Standard Sports Boat is a type of boat capable of planing, having a cabin of solid construction enclosing at least two functional berths. The cabin shall have minimum headroom measured vertically and continuously over the total area of one square metre of the cabin sole with hatches, pop tops etc closed off.

- For craft less than 6.00 m LOA - 0.90 m.
- For craft of 6.00 m LOA or longer - 1.05 m.

### **2.04 Open Trailable Yacht:**

An Open Trailable Yacht is a displacement type boat that does not necessarily conform to the requirements for a Standard Trailable Yacht or Standard Sports Boat. There shall be a cockpit and provision for stowage of sails, equipment and crew effects below deck, except that: -

- Berths are not required.
- The bow section of the boat shall be decked in at least level with or higher than the gunnels, with the aftermost edge of the deck being no more than 100 mm forward of the leading edge of the centreboard case.

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## **3.0 GENERAL:**

- 3.01 This Rule shall be known as the Australian Trailable Yacht and Sports Boat Rule (ATYSBR), otherwise referred to in this document as the "Rule".
- 3.02 The Custodian of this Rule shall be Australian Sailing (AS).
- 3.03 The Rule shall be used in conjunction with the Racing Rules of Sailing and the rules of individual class associations. In the event of a conflict, interpretation of these rules is the responsibility of the Custodian to ensure the intention of fair and even racing is upheld.
- 3.04 It is not the purpose of this Rule to restrict any individual yacht class from development within their own class rules.
- 3.05 This Rule is intended to support Australian Sailing in its work to promote trailable yacht and sports boat racing activities within the states and territories and at the national level.
- 3.06 In this Rule the word 'shall' is mandatory and the word 'may' permissive.
- 3.07 Australian Sailing and its subordinate bodies shall not be held liable for any accident or injury occurring in a race organised under the ATYSBR.

## **4.0 VARIATIONS:**

- 4.01 This Rule shall only be amended in accordance with Australian Sailing Policy SPO.15.2018.

## **5.0 CLASS BASED HANDICAP:**

- 5.01 A CBH shall be allocated by the Custodian, based on the information relating to the basic dimensions of an individual boat or class of boat provided by a measurer appointed by Australian Sailing and shall be recorded in Appendix `A` of this Rule. Only the custodian is permitted to allocate CBHs.
- 5.02 Any change to the details provided for a boat or class at Section 5.01, upon which its CBH was calculated, shall be advised to the Custodian by an Australian Sailing appointed measurer, and the Appendix `A` shall be amended to include the new or changed CBH.
- 5.03 Where the specifications of a boat or a class are altered from those upon which its CBH was calculated, the boat's owner, class association or yacht club shall immediately notify an Australian Sailing appointed measurer and shall be re-measured for review of its CBH by the Custodian.
- 5.04 A designer, manufacturer, class association, owner or yacht club shall comply with the spirit and intent of the ATYSBR and shall not seek means of artificially reducing an allocated CBH or seek to increase performance without a corresponding increase in CBH.
- 5.05 The CBH is for racing events. The CBH does not give any concessions for additional equipment or fittings that exceed those required by the Category of Event in Australian Sailing Special Regulations Part 1 as specified by the Organising Authority of an event, or for the age of any boat.
- 5.06 The CBHs listed in Appendix `A` are regarded as the National CBH of any Class or One of a Kind (OAK), Trailable Yacht or Sports Boat. These CBHs shall be used for the National and State Championship and open mixed fleet racing.
- 5.07 Each boat's CBH or classification and CBH shall be reviewed or endorsed annually by the Custodian, at least 3 months prior to each National Championship, and posted 60 days prior to the event.
- 5.08 The Custodian may undertake a review of the CBH applying to any class or boat, on the request of Australian Sailing. Any revised CBH shall remain provisional until the next annual review.
- 5.09 Any alteration referred to in Section 5.03, or breach of that Section that is decided by a protest committee, shall be advised to the Custodian, which shall then amend Appendix `A` and notify Australian Sailing for distribution to Organising Authorities.
- 5.10 The method of obtaining a CBH as set out in Appendix `B` shall be included in the annual review provided for at Section 5.06.
- 5.11 Types of CBHs. Affiliated one-design class (Australian Sailing affiliated class association with registered Class Rules).
- Non-affiliated one design (no affiliated class association).
  - Individually modified one design or one of a kind (OAK).
  - Provisional handicap until reliable performance data is obtained. The provisional CBH shall be valid for up to two years.

## **6.0 NATIONAL AND STATE CHAMPIONSHIP:**

- 6.01 The National and State Trailable Yacht and Sports Boat Championships shall be conducted using this Rule.
- 6.02 The eligibility requirements for the National Championship shall be as set out in Section 7.0.
- 6.03 The classifications as set out in Section 7.0 shall be used by the Organising Authority to provide a Division of Trailable Yachts and a Division of Sports Boats at the National and State Championships. Additionally, the classifications at Section 7.0 may be used for other open mixed fleet events conducted by the Organising Authority.
- 6.04 To be eligible to sail in a National or State Trailable Yacht and Sports Boat Championship an entry must have an allocated CBH as listed in Appendix `A`.

## **7.0 CLASSIFICATIONS:**

Trailable boats, including sports boats, shall conform to the following classifications.

- 7.01 **Standard Trailable Yacht.**
- Maximum beam 2.5 m
  - CBH as specified in Appendix `A`
- 7.02 **Open Trailable Yacht.**
- Maximum beam 2.5 m
  - CBH as specified in Appendix `A`
- 7.03 **Standard Sports Boat.**
- Maximum beam 2.5 m
  - CBH as specified in Appendix `A`
- 7.04 **Open Sports Boat.**
- A maximum hull beam of 2.5 m while towing
  - A maximum extended wing beam, while sailing, of 3.5 m
  - CBH as specified in Appendix `A`
- 7.05 The Custodian shall classify all such boats under this Rule.

## **8.0 VARIATIONS TO LAUNCHING AND RETRIEVING:**

- 8.01 Owing to the effect of shallow angled ramps and tides, and for launching or retrieving with a crane (for ease of launching or retrieving but not the sole purpose due to boat design), the trailer may be detached from the towing vehicle without invalidating the status of a trailable yacht or sports boat under this Rule at Section 2.2. The design or construction of a boat or trailer shall not be the determining factor for detaching from the towing vehicle or the use of a crane.

## **9.0 ELIGIBILITY:**

- 9.01 Eligible boats are as described in Section 7.0, and may be fitted with either a drop, swing, bilge, canting keel, centreboard, canards or other movable appendages, if they are mechanically locked down in their designed sailing position, as determined by their allocated CBH.
- 9.02 A trailable yacht or sports boat issued with a CBH by Australian Sailing prior to the entry into force of this Rule in July 2007 shall be accepted as an eligible boat and as complying with the Rule.

## **10.0 DIMENSIONS:**

## 10.01 Sailing Configuration

- |                          |   |         |                                       |
|--------------------------|---|---------|---------------------------------------|
| • Hull length overall    | - | Minimum | 4.60 m                                |
|                          |   | Maximum | 9.40 m                                |
| • Hull width             |   | Maximum | 2.50 m                                |
| • Hull width with wings: |   | Maximum | 3.50 m                                |
| • Mast length            | - | Maximum | 12.50 m from top of cabin to mast tip |
|                          |   | Maximum | 13.50 m from sheer                    |
| • Draft                  | - | Maximum | 2.50 m                                |

## 11.0 EQUIPMENT RULES:

- 11.01 Standard equipment as described in individual class rules shall not be relocated or removed when racing.
- 11.02 Outboard motors shall be fitted in their operating position but may be retracted out of the water while racing.
- 11.03 Unless otherwise specified and approved by class rules or use of hiking devices has been included in the original request for CBH by the builder/owner and reflected in the CBH, no crew member shall sail or manoeuvre the boat with his/her torso outboard of a vertical line from the gunnel with the boat in its sailing position at the time.
- 11.04 Open Sports Boats may use hiking straps, trapezes, or hiking wings (maximum sailing beam 3.5 m) to increase stability. This rule excludes Open Sports Boats from Section 11.03.
- 11.05 Open Sports Boats with a sailing beam exceeding 2.50 m shall not use a trapeze(s) or sliding beams.
- 11.06 A boat may use hiking devices to increase stability if allowed by the registered individual class rules.
- 11.07 Standard Sports Boats and Open Sports Boats shall be single masted.
- 11.08 Standard Trailable Yachts/Open Trailable Yachts and Standard Sports Boats shall not use any attachments to the hull in a manner to move the crew beyond the maximum beam of the hull unless permitted by Section 11.03.

## 12.0 SAILS:

- 12.01 Sails shall be constructed and measured in accordance with the individual class rules.
- 12.02 If no class rules apply, sails shall be measured in accordance with the ISAF Equipment Rules of Sailing in relation to sail measurement but shall not exceed the dimensions of the CBH measurement factors. These measurements are provided for the majority of ATYSBR listed boats in Appendix A - "ATYSBR CBH Measurements".

## 13.0 CREW:

- 13.01 The maximum crew number shall be six (6) or less if specified in individual class rules while racing using CBH and this Rule.
- 13.02 Minimum crew numbers shall be two (2) while racing.
- 13.03 Australian Sailing Special Regulations, Category 5.  
One (1) member of the crew shall be 18 years or over.

- 13.04 Australian Sailing Special Regulations Category 6.  
All crew members are to be 14 years or older, unless one (1) crew member is over the age of 18 years.

#### **14.0 STABILITY:**

- 14.01 Boats may comply with the Horizontal Stability Factor (HSF) as defined for Trailable Yacht races by the Australian Sailing Special Regulations, Category 6.
- 14.02 Determination of the HSF shall be at the owner's risk and cost and no liability will be accepted by the club, the State authority, Australian Sailing or any of its members, officers or servants.
- 14.03 All boats not complying with Rule 14.01 HSF shall have a minimum keel / overall boat weight ratio i.e., (weight of keel fin and bulb assembly ÷ by weight of boat empty), of : -
- 0.20 : 1. For Trailable Yachts
  - 0.25 : 1 For Sports Boats
  - Or comply with Section 9.02 of this Rule.

Fastenings and other components of the keel assembly not permanently fixed to the keel shall be excluded from the keel weight.

#### **15.0 BUOYANCY:**

- 15.01 Boats not complying with the HSF at Section 14.01 shall have sufficient buoyancy to support the boat, its crew and stores above the water when fully swamped.

#### **16.0 REVIEW**

- 16.01 This Rule shall be reviewed at least every four years.

**GENERAL:**

Trailable Yachts and Sports Boats use the Class Based Handicap system (CBH). Class Based Handicaps shall be used in conjunction with the Australian Trailable Yacht and Sports Boat Rule (ATYSBR).

The ATYSBR National CBH List has been developed using boat specifications that are regulated by class associations where they exist. Where there is no recognised class association the CBH will be based on the designer's specification and/or the specification when the boat was originally sold.

**NOTES:**

- Unlisted classes and OAK's will require full measurement to obtain a CBH rating.
- All allocated CBH's are subject to amendment considering reliable performance data being reviewed.
- Boats with a symmetric spinnaker and spinnaker pole being changed to an asymmetric spinnaker (with same sail area) and bowsprit shall increase the allocated CBH by 1%. This increase shall only be applied after agreement with the Custodian.
- Asymmetric spinnakers and poles not fitted to the mast (such as bowsprits) may only be used if explicitly permitted in the boat's class rules.
- No hiking devices are to be fitted to a boat and no type of hiking is allowed while using these CBH's, unless specified in individual class rules.

**KEY:**

The following symbols may be associated with a CBH and represent the following differentiation within class rule configurations.

Without spinnaker	-S
Masthead spinnaker only	MHS
Masthead (usually Genoa and Spinnaker)	MH
Fully Battened Mainsail	FBM
Fractional rig	FR
Bilge keel	BIK
Bulb keel	BK
Swing keel	SK
Swing keel flaps	SKF
Drop keel	DK
Canting keel	CK
Water Ballast	WB
Modified boat	MOD or M
Provisional CBH	P
One of a kind	OAK

The following symbols (FBM), Fully Battened Mainsail & (SKF), Swing Keel Flaps, identify performance improvements that may not be permitted within either the class rules or the designer's specifications.

If these symbols appear in the CBH list, the items have been considered in the calculation of the CBH.

Where these symbols are not included against a boat and the boat has either one or both features, an additional % as indicated shall be applied. These adjustments may be performed by race organisers, and later advised to the AS NTYSB Technical Committee.

All CBH's in the ATYSBR are based on a specific Batten Length Mainsail. Where a class association exists, the association's class rules will dictate the measurements of that class of boat, including the Batten Length Mainsail (BLM) dimension. If a boat has no class association, the original designer's specification shall apply.

Some boats in Appendix 'A' may have full length battens as specified in the class rules or designer specifications however, the Batten Length Mainsail could be exceeded. If in doubt boat owners and race organisers are encouraged to contact the AS ATYSB Technical Committee for advice regarding the Batten Length Mainsail used to calculate the CBH for a specific class.

In all cases, it is the responsibility of the boat owner to determine if the boat meets the class specifications.

#### **Fully Battened Mainsail**

FBM add 0.75 %

#### **Example 1:**

A trailable yacht with an allocated CBH of 0.700 uses a Fully Battened Mainsail (FBM). The corrected CBH will be 0.705 (i.e.  $0.700 \times 1.0075$ )

#### **Swing Keel Flaps**

SKF add 3.0 %

#### **Example 2:**

A trailable yacht with an allocated CBH of .620 installs Swing Keel Flaps (SKF) to close off the centreboard slot. The corrected CBH will be 0.638. (i.e.  $0.620 \times 1.030$ )

#### **CLASS KEY:**

Elliott 7.8 MK 1	Asymmetric spinnaker $\frac{3}{4}$
Elliott 7.8 MK 2	Asymmetric spinnaker MHS
Spider 22 MK 2	Taller mast same sail area as MK 1
Spider 24 MK 2	Different keel than MK 1
Young 7.8	Timber hull, $\frac{3}{4}$ spinnaker
Young Rocket MK 1	Timber hull, MHS
Young Rocket MK 1	Glass hull, $\frac{3}{4}$ spinnaker, short keel
Young Rocket MK 2	Glass hull, MHS, short keel
Young 780 Rocket MK 3	Glass hull, MHS, longer keel

## **ATYSBR NATIONAL CBH LIST 2019/20**

### **STANDARD TRAILABLE YACHT CBHs**

CLASS	CBH	CLASS	CBH
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Adams 21		0.690	Clifton 700	DK	0.660
Adams 8		0.809	Clipper 17		0.531
Admiral 21		0.641	Clipper 21		0.592
Adventure		0.661	Coastal 868		0.734
Adventure 22		0.628	Cole 19		0.610
Alien 21	Cat Rig	0.700	Cole 23		0.665
Alien 21	Sloop Rig	0.740	Colson 750	OAK	0.834
Allegro		0.630	Comet 20		0.638
Aloora		0.630	Compass 750		0.698
Aloora	Junk Rig	0.610	Compass 750 MK 2		0.699
Aloora MK 2		0.640	Compass 750 MK 3		0.721
Austral 20		0.650	Court 550*		0.553
Austral 24	DK	0.675	Court 650		0.624
Austral 24	SK	0.665	Court 750		0.657
Austral Clubman 8		0.805	Cross 830		0.850
Austral Clubman 8		0.795	Cumulus		0.650
Adventurer & Classic Models Only					
B 63		0.645	Cunningham 19		0.640
Baroness 22		0.611	Dancer		0.562
Beale 740	FR	0.790	Davidson 26		0.778
Beale 740	MH	0.800	Dennis TS 500		0.560
Beale 780		0.807	Dennis TS 600		0.617
Beale 860		0.850	DH Rambler		0.626
Beneteau 235		0.715	Diamond/Rasmussen		0.750
Beneteau 7		0.730	Duncanson 22		0.669
Binks 25		0.672	Duncanson 25		0.675
Blazer 23		0.790	Eclipse 17		0.592
Blazer 740		0.780	Elliott 5.9		0.775
Bonito 22		0.650	Embassy 5.5		0.572
Bonito 580		0.630	Explorer 16		0.580
Bonito 750		0.710	Explorer 21		0.627
Bonito 25		0.700	Farr 5000		0.570
Boomaroo 22		0.640	Farr 6000		0.640
Boomaroo 25		0.656	Farr 740 Sports		0.755
Boomerang 20	DK	0.640	Farr 7500		0.708
Boomerang 20	SK	0.620	Farr 940/Noelex 30		0.825
Brolga 17		0.602	Firebird 19		0.600
Bush Ranger		0.700	Flinders 7.8		0.648
Capri 18		0.567	Freedom 21		0.639
Capri 21		0.620	Gazelle		0.720
Caprice 11	BK	0.579	Gem 550		0.685
Careel 18	-S	0.615	Griffin 17		0.589
Careel 22 L		0.690	Hartley 16		0.635
Careel 22 S		0.665	Hartley 18	FR	0.620
Careel Sonata 26		0.728	Hartley 18	MH	0.620
Caribou 20		0.619	Hartley 21`		0.610
Castle 20		0.651	Hewitt 20		0.576
Castle 550		0.675	Highway 21		0.658
Castle 650		0.725	Highway 8		0.730
Catalina 25		0.650	Hood 20*		0.605
Cherry 16		0.590	Hunter 19		0.600
Clifton 700	SK	0.650	Hunter 19	(FK)	0.610

# ATYSBR NATIONAL CBH LIST 2019/20

## STANDARD TRAILABLE YACHT CBHs

Hutton 24		0.671	Sonata 7	0.650
Inga 5.5		0.600	Sonata 8	0.728
Investigator		0.594	Sonata 26	0.728
JS 6.7		0.672	Sonata 760 Sports	0.760
Jedda 20		0.610	Southern Cross 23	0.650
Jedda 22	BIK	0.575	Spacesailer 20	0.624
Kalaroo 780		0.764	Spider 22 MK 1	0.788
Kestrel	BIK	0.650	Spider 22 MK 2	0.798
King 780		0.815	Spider 24 MK 1	0.754
Koala 24		0.659	Spider 24 MK 2	0.764
Lancer 25		0.637	Spider 28 ¾ S	0.830
Lidgard 25		0.715	Spider 28	MHS 0.850
Magnum 8.5		0.767	Star 22	0.600
Masrm 720		0.770	Status Slipstream	0.710
Masrm 720C		0.725	South Coast 22	0.715
Masrm 750		0.797	South Coast 25	0.625
Matilda		0.590	Stratus 747	0.723
Maxi 20		0.586	Sunbird 24	MHS 0.585
McGregor 26		0.663	Sunbird 25	0.635
McGregor 26	WB	0.715	Sunmaid 20	0.600
Norwalk Islands Sharpie (NIS 23)		0.705	Swarbrick 20	0.660
Noelex 25		0.725	T26	0.738
Noelex 30/Farr 940		0.825	Timpenny 670	0.685
Nomad 20		0.572	Timpenny 770	DK 0.740
Pacific 747		0.607	Timpenny 770	SK 0.716
Penn 707		0.687	Tropic 5.2	0.572
Princess		0.580	Ultimate 16	0.580
Quintet 5		0.586	Ultimate 18	DK 0.600
Quintet 7		0.715	Ultimate 18	SK 0.590
Randell 20		0.626	Ultimate 23	0.615
Red Jacket*		0.561	Van Der Stadt 7	0.715
Red Witch		0.605	Venture 6	0.662
Resolution		0.725	Victory 22	0.620
RL 24 DK		0.763	Vivacity	0.625
RL 24 SK		0.728	Waratah	0.613
RL 24 DK	Square Top Mainsail	0.769	Wildfire	0.674
RL 24 SK	Square Top Mainsail	0.734	X 770 Sport	0.730
RL 28		0.692	Young 6.0	0.705
Ross 650		0.747	Zeeman 6.5	0.680
Ross 780 MK 1, 2, 3		0.795		
Sabre 20		0.625		
Sabre 22		0.639		
Scorpion 7		0.635		
Sea Bita		0.595		
Seaway 25	FR	0.725		
Seaway 25	MHS	0.730		
Serena TY 22*		0.617		
Sonata 6		0.630		

Sonata 6.3	0.650		
Sonata 6.7	0.710		

**ATYSBR NATIONAL CBH LIST 2019/20**  
**STANDARD TRAILABLE YACHT - INDIVIDUALLY MODIFIED CBHs**

THESE BOATS ARE REQUIRED TO DISPLAY "MOD" ON THE MAINSAIL

CLASS & NAME	CBH	CLASS & NAME	CBH
Elliott 5.9 M Elle	0.780M	Timpenny 770M DK Genia	0.758M
Elliott 5.9 M Jaffa	0.785M	Ultimate 23 M Tranty	0.705M
Hartley 18 M Rani	0.632M	Wildfire M Upfront	0.681M
Hartley 18M Kari	0.632M	Young 6.0 Child	0.720M
MASRM 720 M Pennies	0.784M		
MASRM 720 M Sailagere	0.795M		
MASRM 720 M Tiger	0.795M		
MASRM 720 M Wind	0.785M		
MASRM 750 M Business	0.845M		
MW Sharpie M Wet	0.790M		
RL 28 M Blackbeard	0.725M		
RL 28 M Distraction	0.710M		
RL 28 M Exotic	0.721M		
RL 28 M Play	0.710M		
RL 28 M Impulse	0.750M		
RL 28 M Moonbird	0.700M		
RL 28M Pepsea	0.710M		
Ross 780 M Work	0.805M		
Ross 780 M Radical	0.805M		
Ross 780 M Vida	0.803M		
Sonata 6.7 M Point	0.795M		
Sonata 6.7 MK 2 M Somewhere	0.755M		
Sonata 760 Sports M Awesome	0.790M		

Spider 24 M Maniac	Party	0.785M		
Status Slipstream M Ghost	Grey	0.720M		

**STANDARD TRAILABLE YACHT - INDIVIALLY MODIFIED  
PROVISIONAL CBHs**

CLASS & NAME	CBH	CLASS & NAME	CBH
Spider 28 MK4 M Kause I Can (KIC)	0.830P		

**ATYSBR NATIONAL CBH LIST 2019/20**  
**OPEN TRAILABLE YACHT CBH's**



**OPEN TRAILABLE YACHT - INDIVIDUALLY MODIFIED CBHs**  
 THESE BOATS ARE REQUIRED TO DISPLAY "MOD" ON THE MAINSAIL

CLASS	CBH	CLASS	CBH

**OPEN TRAILABLE YACHT - PROVISIONAL CBHs**

CLASS	CBH	CLASS	CBH

## ATYSBR NATIONAL CBH LIST 2019/20

### STANDARD SPORTS BOAT CBHs

CLASS	CBH	CLASS	CBH
Bull 7000	0.850	Melges 24	0.890
Egan 6	0.835	Metcher 8	0.874
Elliott 6.5	0.840	PG 8000	0.880
Elliott 7 All of Class; P/T & S/T Mainsail	0.845	Scorpion 8	0.893
Elliott 7.4	0.805	Thompson 7	0.895
Elliott 7.8 MK 1	0.860	Thompson 8	0.950
Elliott 7.8 MK 2	0.880	Tonka OAK	0.800
Elliott 770	0.864	Young 6.6 Rocket	0.779
Flying Angel 9.1	0.822	Young 7.8 ¾ Spin	0.805
Inglis 27	0.870	Young 7.8 MHS	0.844
Lyons 750	0.860	Young 780 Rocket MK 1	0.840
Lyons 8	0.910	Young 780 Rocket MK 2	0.869
MASRM 750	0.797	Young 780 Rocket MK 3	0.890

### STANDARD SPORTS BOAT - INDIVIDUALLY MODIFIED CBHs

MODIFIED BOATS ARE REQUIRED TO DISPLAY "MOD" ON THE MAINSAIL

CLASS & NAME	CBH	CLASS & NAME	CBH
Elliott 7.4 Never Again	0.810M	OAK Penguins on Parade	0.925M
Elliott 780 Dri- Deck Escapade	0.867M	OAK Stiletto	0.875M
JS30 Obsessed	0.835M	OAK Lightning 8	0.870M
Selmor 7.8 Elastic Limit	0.794M	OAK Nothing To Serious	0.900M
Lyons 750 Wicked	0.875M	OAK Orphan	0.800M
Young 780 Grey Ghost	0.820M		
Young 780 MK 2 Flaps	0.900M		
Young 780 Getahobbi	0.820M		
Young 7.8 The Terrar	0.825M		

### STANDARD SPORTS BOAT - PROVISIONAL CBHs

CLASS & NAME	CBH	CLASS & NAME	CBH
OAK Cruise Missile	0.935P	Young 770 Freestyle	0.810P
Edmonds 7500 No Name	0.910P	I550 OAK Flat Bottom Girl	0.803P
Elliott Escape No Name	0.864P	Thompson 9 OAK Just A Toy	1.039P
Lyons 740 No Name	0.850P		
Thompson 750 No Name	0.935P		
Thompson 6.5 Stormy	0.850P		

## ATYSBR NATIONAL CBH LIST 2019/20

### OPEN SPORTS BOAT CBHs

CLASS	CBH	CLASS	CBH
Magic 25	All of Class	0.925	

### OPEN SPORTS BOAT - INDIVIDUALLY MODIFIED CBHs

THESE BOATS ARE REQUIRED TO DISPLAY "MOD" ON THE MAINSAIL

CLASS	CBH	CLASS	CBH

### OPEN SPORTS BOAT - PROVISIONAL CBHs

CLASS	CBH	CLASS	CBH

### ATYSBR CBH Measurements

Yacht Class	LOA (MM)	LWL (MM)	B (MM)	MASS (KG)	BM (MM)	I (MM)	SL (MM)	J (MM)	SPL (MM)	SMW (MM)	LPG (MM)	P (MM)	BLM (MM)	E (MM)	EPF	KF	OAML (MM)
ADAMS 21	6485	5334	2362	893	2413	7542	7010	2337	2337	4237	3536	8077	2420	2743	1	1.025	8840
ALIEN 21 FR.RIG	6400	5230	1950	700	2100	6520	7326	2560	2650	4500	2290	7600	9810	2970	1	1.025	8400
ALLEGRO	6430	5845	1835	850	2050	7332	6820	2415	2465	5080	2805	6650	3620	2820	1	0.95	7580
ALOORA	7020	6126	2396	1330	2458	7996	7620	2482	2490	4443	3680	7790	3290	3170	1	0.95	8890
ALOORA (J-RIG)	7020	6126	2396	1365	2458	6507		3060			3875	3230	12830	3705	0.98	0.95	6020
ALOORA MKII	7020	6050	2396	1520	2458	7130	7620	2600	2540	4760	3870	7800	4350	2940	1	0.95	8900
AUSTRAL 20	6090	5170	2320	940	2240	8155	7848	2743	3048	4877	3607	6883	2590	2286	1	1.025	7747
AUSTRAL 24DK	7400	6388	2174	1540	2277	7548	7664	2828	3215	3010	3443	7900	2860	2996	1	1.025	8840
AUSTRAL 24SK	7430	6275	2290	1470	2390	8325	7760	2870	3115	4880	4100	8120	2860	3005	1	1.025	8960
AUSTRAL C/MAN 8	8120	7750	2300	1200	2420	8580	8060	2680	3090	5400	4010	9070	11520	3680	1	1.025	10700
B6.3	6310	5755	2115	940	2163	6947	7160	2240	2700	4370	3260	6910	2668	3040	1	1.025	7620
BEALE 740 3/4 SP	7415	6765	2260	910	2490	8225	8430	2690	3060	4720	4185	8700	9455	3915	1	1.05	9600
BEALE 740 MH SP	7415	6765	2260	910	2490	8225	10170	2690	3060	5660	4185	8700	9455	3915	1	1.05	9600
BENETEAU 7	6535	5615	2230	975	2450	8057	7900	2560	2900	5400	2800	8125	2547	3155	1	1.025	9020
BLAZER 23	7100	6120	2040	805	2290	7500	7620	2220	2370	4390	2410	8230	2590	3200	1	1.025	9140
BONITO 22	6610	5745	2268	1125	2410	6825	6858	2435	2635	4775	3627	7376	3280	2895	1	1.025	8230
BONITO 580	5660	5280	2275	1030	2410	6175	6858	2070	2600	4775	2610	7100	3100	3050	1	1.025	7850
BOOMERANG 20DK	6325	5560	2130	940	2210	7304	7315	2517	2515	4369	3658	6325	2770	2362	1	1.025	7442
BOOMERANG 20SK	6325	5560	2130	940	2210	7304	7315	2517	2515	4369	3658	6325	2770	2362	1	1	7442
BOOMEROO 22	6445	5845	2440	1170	2450	8030	7870	2440	2438	4380	3660	6400	2480	2950	1	1	7696
BULL 7000	7500	7000	2220	950	2400	9490	11300	2750	4700	8000	2900	9500	10910	4000	1	1.025	10400
BUSHRANGER	7050	5750	2370	1230	2470	7330	7260	2500	2960	4520	3630	7490	7460	2940	1	1.025	8720
CAREEL 18	5600	5125	2040	810	2150	6710		2230			3250	6324	3150	2705	1	1.025	
CAREEL 22L	6920	6121	2201	1099	2477	8785	8900	2698	3003	6250	4420	7417	2400	2896	1	1.025	8281
CAREEL 22S	6920	6121	2201	1099	2477	8429	8900	2698	3003	6250	4572	7417	2400	2896	1	1.025	7925
CASTLE 550	5480	4390	2140	500	2360	6580	6540	1880	2410	4270	2150	6940	6300	2600	1	1.025	7620
CASTLE 650	6560	5260	2287	766	2422	7039	6959	2387	2408	4343	3581	7772	8120	2897	1	1.025	8680

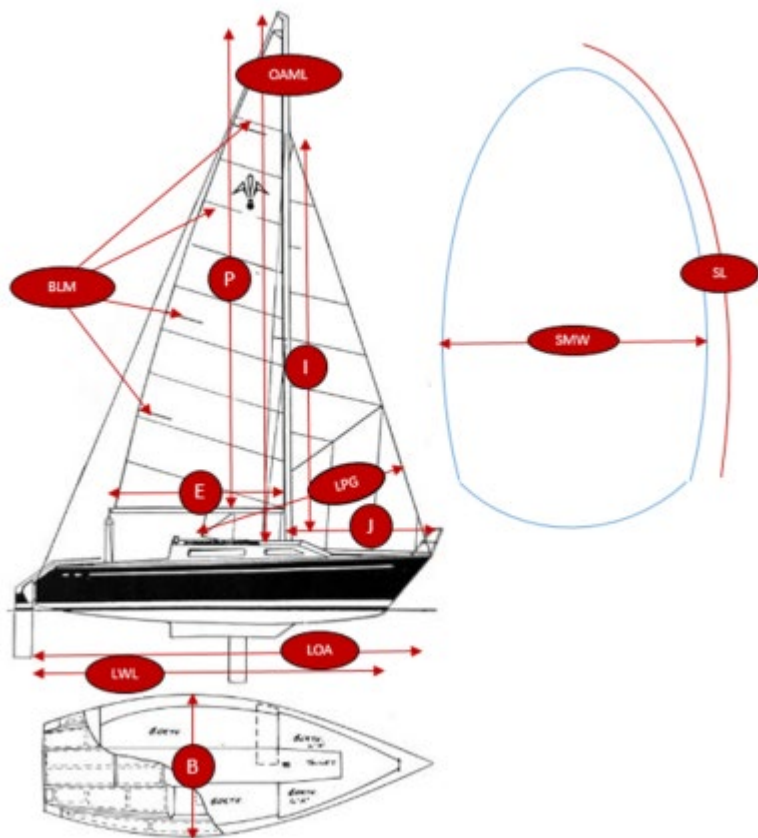


Yacht Class	LOA	LWL	B	MASS	BM	I	SL	J	SPL	SMW	LPG	P	BLM	E	EPF	KF	OAML
CATALINA 25	7670	6650	2380	2620	2385	8990	8800	3150	3235	5700	4950	7220	8475	2850	0.98	1.05	8610
CHERRY 16	4864	4130	1770	220	2180	4930	4730	1850	2236	3870	2100	4928	3930	2350	1	1	5500
CLIFTON DK	6830	5800	2220	1200	2400	9040	7925	2600	2600	4400	3900	7800	3200	3025	1	1.025	8570
CLIFTON SK	6830	5800	2220	1200	2400	9040	7925	2600	2600	4400	3900	7800	3200	3025	1	1	8570
CLUBMAN 8	8120	7750	2300	1200	2420	8580	8060	2680	3090	5400	4010	9070	11520	3680	1	1.025	10700
COLE 19	5944	5325	2347	800	2377	7650	7315	2347	2286	4240	3780	6035	2103	2315	1	1	7100
COLE 23	7010	6187	2408	1400	2438	8230	8230	2804	2804	4940	4115	7070	2505	2590	1	1	7930
CUMULUS	6400	5800	2340	1200	2420	7860	7100	2490	2590	4320	3400	7570	2360	2540	1	1.025	8650
CUNNINGHAM 19	5750	5300	1880	730	2080	7356	7300	2385	2390	4320	3610	6130	8010	2250	1	1.025	6890
DENNIS TS500	4940	4465	1764	365	2029	6215	5500	1780	1885	3540	2185	5820	2170	2430	1	1.025	6890
DIAMOND/RASMUS	9150	7620	2000	1730	2080	8260	7230	2550	3030	4400	3760	8070	10340	3430	1	1.025	9080
DUNCANSON 26	7914	6974	2390	2130	2375	8547	8230	2920	3350	5490	4570	8687	0	3200	1	1	8700
ECLIPSE 17	5150	4555	1755	610	1860	5852	6850	2170	2310	3600	2520	6160	2850	2360	1	1	7025
ELLIOT 5.9	5950	5290	1970	700	2470	8312	7230	1840	2630	4400	2120	7570	5670	3640	1	1.025	8430
ELLIOT 7	6960	6200	2030	695	2390	7800	8300	2550	3400	6000	2910	8580	5490	3660	1	1.025	9500
ELLIOT 7.4	7420	7020	2345	1000	2470	7885	8800	2525	3200	5030	2795	8680	7150	4000	1	1.05	9360
ELLIOT 7.8 Hot 2 Trot	7790	6690	2375	900	2475	8390	11500	2570	4570	7400	2840	9570	6870	3970	1	1.025	10450
ELLIOT 770	7700	7150	2480	820	2500	9200	11800	2700	4700	7800	2900	9550	5500	3900	1	1.025	10000
EXPLORER 16	5050	4700	1890	568	1981	5974	5180	1737	2438	3660	2590	5425	3990	2835	1	1	6120
FARR 5000	5090	4580	1995	550	2134	5565	4950	1829	2050	2950	2195	6110	2660	2640	1	1	6800
FARR 6000	6110	5545	2340	850	2410	6614	6000	2256	2500	3640	3250	7140	5130	3080	1	1	7980
FARR 740 SPT	7370	6640	2369	1091	2425	8280	7900	2450	2450	4410	3675	8554	5500	3490	1	1.025	
FARR 7500	7548	6775	2445	1220	2445	7413	7500	2640	2835	5300	3810	8140	3590	3560	1	1	9100
FARR 940 / NOELEX 30	9410	8150	2500	2176	2941	9282	10600	3222	3222	6316	4140	10680	12000	4335	1	1.025	11400
FIREBIRD 19	6000	5200	2160	910	2300	6085	6100	2160	2560	4800	3700	6260	2700	2450	1	1	7170
FLINDERS 7.8	7800	7000	2515	1900	2480	9200	9000	2835	2825	5500	4420	7500	550	2500	0.98	1.025	8500
HARTLEY 16	5029	4650	1920	400	2222	5170		1630	2515		2316	5790	4835	3405	1	1.025	6400
HARTLEY 18 3/4	5590	5121	2103	500	2340	6927	5800	2590	2440	5190	2990	6560	4835	3200	1	1	7138

Yacht Class	LOA	LWL	B	MASS	BM	I	SL	J	SPL	SMW	LPG	P	BLM	E	EPF	KF	OAML
HARTLEY 18 MH	5590	5121	2103	500	2340	7637	7160	2590	2590	4290	3200	6550	4835	2590	1	1	7138
HARTLEY 21	6500	6035	2195	725	2440	7883	7320	2164	2750	4880	3444	6700	4835	3040	1	1	7316
HARTLEY24 MOD	7240	6070	2185	1500	2375	7880	7320	2320	2650	4880	3390	7715	4835	3285	1	1	8500
HUNTER 19	5860	5430	1835	880	1845	6715	6395	2280	2290	4000	3110	5430	2055	2200	1	1	6480
HUNTER 19 (FK)	5860	5430	1835	880	1845	6715	6395	2280	2290	4000	3110	5430	2055	2200	1	1.025	6480
HUNTER 260	8000	7090	2730	2288	2730	8903	8100	2883	2400	3200	2883	9310	4298	3200	1	1	1105
INGA 5.5	5518	5079	1983	725	2186	6080		2080			2335	5680	2343	2390	1	1.025	
INGLIS 27	8070	7740	2400	950	2475	8630	11000	2890	4430	7000	3150	9070	12400	3940	1	1.025	10600
JEANNEAU OD 24	7300	6500	2395	1000	2480	7960	8200	2350	2440	4400	3070	9000	3760	3050	1	1.025	10860
JEDDA 22 BK	6740	5756	1940	1510	2081	8037	7772	2560	2548	4511	3566	6614	2165	2377	1	0.95	7320
KESTRAL BK	5330	4907	1866	740	1983	6588	6706	1676	2125	4460	3225	5974	1660	2713	1	0.95	6680
LIDGARD 25	7940	7150	2250	1280	2490	7722	8020	2850	3010	5300	2750	8000	2620	3200	1	1.025	9150
MacGREGOR 26	7760	7020	2245	1425	2275	6560	6915	2940	2860	5600	3120	7370	7960	3070	1	1	8930
MASRAM 720	7230	6115	2335	840	2490	7970	8400	2370	3000	4750	3510	8250	7950	3400	1	1.025	9250
MATILDA	5944	5029	2200	875	2438	7375	6980	2320	2665	3800	3600	2520	3200	6260	1	1.025	7010
MELGES 24	7315	6705	2375	794	2499	8488	11550	2423	3820	6280	3000	8808	6870	3800	1	1.025	
NOELEX 25	7750	6750	2376	1100	2405	6520	6850	2780	3280	5060	3675	7300	3830	3280	1	1.025	7900
NOELEX 30/FARR 940	9410	8150	2500	2176	2941	9282	10600	3222	3222	6316	4140	10680	12000	4335	1	1.025	11400
PRINCESS 18	5547	4602	2073	601	2088	6035		2103			2316	6005	8750	2682	1	0.95	
QUINETT 7	7000	6400	2450	1100	2310	7260	6810	2660	2680	4500	3800	7770	3310	3285	1	1.025	8700
RL 24 DK	7465	6080	2134	750	2135	6540	6600	2445	2670	4080	2591	7600	11000	2900	1	1.025	8300
RL 24 SK	7465	6080	2134	750	2135	6540	6600	2445	2670	4080	2591	7600	11000	2900	1	1	8300
ROSS 780	7800	7420	2470	1470	2400	8000	8370	2700	3320	6400	3920	8900	5680	3900	1	1.025	10000
S/C MAGNUM 8.5	8675	7460	2340	1560	2500	8997	8900	2875	3000	5900	4275	8700	3205	3480	1	1.025	9785
S/COAST 22A	6720	6150	2335	1220	2425	7900	8300	2330	2330	5400	3470	8050	2905	2950	1	1.025	9350
S/COAST 22B	6720	6150	2335	1350	2425	7170	7400	2330	2330	4260	3420	7970	2905	2770	1	1.025	9350
SC 23/NW7	6880	6190	2385	1270	2434	8023	7925	3010	2970	5334	3840	7102	3200	2682	1	1	
SCORPION 7	7080	5870	2230	1200	2402	8021	7812	2615	2510	4572	3710	7650	2635	2890	1	1.025	8700
SCORPION 8	8000	7110	2175	860	2475	8670	11870	2650	4650	7770	3780	9690	13135	3960	1	1.025	10600

Yacht Class	LOA	LWL	B	MASS	BM	I	SL	J	SPL	SMW	LPG	P	BLM	E	EPF	KF	OAML
SEABITA	5800	5175	1980	870	2120	7605	7010	2290	2440	3965	3500	6500	2000	2260	1	1.025	7080
SEAHORSE 6	6485	5334	2362	893	2413	7542	7010	2337	2337	4237	3536	8077	2420	2743	1	1.025	8840
SEAWAY 25	7833	6309	2510	1590	2499	7940	7900	2608	2600	4680	3890	8240	1900	3200	1	1.025	9200
SKIPPI 650	6500	6100	2480	750	2422	7039	6959	2387	2408	4343	3581	8600	3581	3581	1	1.025	9200
SONATA 6	6150	5310	2073	910	2073	7193	7010	2530	2540	4570	3730	5940	1955	2440	1	1	6710
SONATA 6.3	6595	5265	2100	870	2100	6912	7010	2470	2540	4570	3500	7850	2609	2480	1	1.025	8134
SONATA 6.7	6710	6380	2483	1154	2483	7542	7300	2360	2430	4360	3530	8260	2585	2890	1	1.025	9250
SONATA 7	6915	6285	2483	1135	2469	8535	7920	3000	2970	5350	3840	7090	2500	2670	1	1	7985
SONATA 8/26S	8090	6400	2499	1520	2499	8047	8030	2499	2510	4460	4360	8370	2560	3100	1	1.025	9400
SPIDER 22 MK1	6882	6150	2000	650	2480	7170	8100	2390	3000	4600	2535	7760	9700	3500	1	1.025	8630
SPIDER 28 MK2	8330	7880	2240	1379	2480	9050	11500	2700	4500	7400	4050	9740	6360	3600	1	1.05	10860
SPIDER 28 MK2 3/4	8330	7880	2240	1379	2480	9050	10400	2700	3495	5800	4050	9740	6360	3600	1	1.025	10860
STATUS S/STREAM	5655	4965	1950	660	2160	6320	6950	2280	2330	4980	2970	7060	7300	2630	1	1	8260
SUNBIRD 24 MS															0.98	1	
SUNBIRD 25	7620	6858	2499	1980	2499	8595	8382	3167	3100	5600	4500	8000	1600	3050	1	1	8765
SUNMAID 20	6160	5212	2240	1030	2287	7600	7620	2377	2750	4570	3390	6750	2000	2750	1	1	7600
Thompson 8	8000	8000	2500	750	2400	9820	13330	3045	5745	8630	3160	10800	8000	4000	1	1.025	11490
Timp. 670 MOD	6620	6150	2042	860	2165	6522	6000	2690	2770	4200	2160	6950	12150	2900	1	1.025	7622
TIMPENNY 670	6620	6150	2042	860	2165	6522	6000	2690	2770	4200	2012	6660	3025	3025	1	1.025	7622
TIMPENNY 770 DK	7748	6950	2378	1330	2400	7748	8010	3035	3035	5000	4290	7900	8450	3200	1	1.025	9105
TIMPENNY 770 SK	7710	7590	2375	1550	2400	7395	6680	3005	3120	4600	4310	7850	7940	3090	1	1	
ULTIMATE 16	5060	4650	2012	450	2085	5965	5461	1730	1867	3150	2438	6096	2140	2743	1	1	6731
ULTIMATE 18 DK	5560	5060	2117	850	2185	6911	6096	2164	2215	3835	2950	5791	2140	2362	1	1.025	6655
ULTIMATE 18 SK	5560	5060	2117	850	2185	6911	6096	2164	2215	3835	2950	5791	2140	2362	1	1	6655
ULTIMATE 23	7170	6290	2408	1350	2450	7835	7772	2890	3100	5156	4237	6629	8330	2997	0.97	1	7519
ULTIMATE 23 (Mod)	7130	6755	2325	1050	2435	2800	7790	2880	3110	5000	4170	6480	8330	2925	1	1.025	7475
X 770 SPORT	7700	7110	2430	1010	2470	7270	7600	2830	2685	4600	3800	7630	2800	2720	1	1.025	8580
YOUNG 5.7	5850	5560	1965	945	2250	1850	5410	1850	1910	3220	1960	6760	3450	3700	1	1	7400
YOUNG 7.8 (3/4)	8045	7635	2105	1078	2410	7850	7800	2580	3215	5140	3870	7285	3850	3005	1	1.025	10000

Yacht Class	LOA	LWL	B	MASS	BM	I	SL	J	SPL	SMW	LPG	P	BLM	E	EPF	KF	OAML
YOUNG 7.8 MH	8057	7480	2090	1100	2450	7315	10400	2550	3255	5720	3770	9030	5855	3720	1	1.025	10200
ZEEMIN	6500	5590	2350	1050	2500	7115	7100	2260	2500	4520	3260	7670	2530	2730	1	1.025	



Measurement	
Length Overall	LOA
Waterline Length	LWL
Beam/Beam Max	B
Fore Triangle height	I
Spinnaker Luff	SL
Base of Fore Triangle	J
Spinnaker Pole Length	SPL
Longest Perpendicular of Largest Headsail	LPG
Mainsail Height	P
Mainsail Foot	E
Engine and Propellor factor	EPF
Keel factor	KF
Displacement in Kg	MASS
Spinnaker Maximum width	SMW
Batten Length Mainsail (Maximum)	BLM

## ATYSBR NATIONAL CBH LIST 2019/20

### REVIEW OF APPENDIX `A` PROVISIONAL CBHs

To enable the AS NTYSB Technical Committee to manage the listing of provisional CBH's in an efficient manner, provisional CBH's will only be listed in ATYSBR Appendix `A` for a period of two years' maximum after the initial listing. Prior to the end of the nominated two-year period a request to the owner for race performance data must be made by a nominee of the Technical Committee. If no result data is forthcoming the boat listing may be removed from Appendix `A`.

The list below represents specific yachts that previously had provisional CBH's, or have been noted as modified yachts. In either case these yachts no longer have an officially allocated class CBH or, boat specific CBH. These yachts are excluded from ATYSBR Appendix `A` and should not be permitted to have race results calculated by applying any CBH.

### DELISTED BOATS

#### (LIST OF UNMEASURED OR MODIFIED BOATS WITH NO CBH)

Boat Name	Boat Class	Current Owner	Reason for delisting
BLUE BAYOU	MAGNUM 8.5	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
BOBSLED	SPIDER 22 MK 1 MOD	NEIL HAMILTON	Identified as "MOD". Failure to submit result data. <b>Provisional CBH withdrawn.</b>
BREATHLESS	BEALE 24	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
CHIVERS	CHERRY 16	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
DOCTORS ORDERS	SONATA 8 C MOD	ANDREW HAWKINS	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
DOPAMINE	RL 24 SK C MOD	PAUL LINCOLN	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
DR WHO	MASRM 720 MOD	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
ECLIPSE	HIGHWAY 21 MOD	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
ESCAPOLOGY	ROSS 650 C MOD	LAURIE DEANS	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
FIFTY FIFTY	ATKINSON 24 C MOD	BRENDEN ALLEN	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
GREY GHOST	BEALE C MOD	JOHN SHILLINGFORD	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
HAPPY PLACE 2	NOELEX 25 C MOD	GREG McTAGGART	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
HAPPY WANDERER	SABRE 22 C MOD	GRAYEM WHITE	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
HARDLY NORMAL	HARTLEY 18 C MOD	BRUCE NIX	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
HART BEAT	RL 24 SK C MOD	MIKE HART	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
HONKY TONK	SONATA 7/SC23/NW 7 C MOD	PAUL DWYER	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
HUNTRESS	MASRM 720	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>

Boat Name	Boat Class	Current Owner	Reason for delisting
JUST A TOUCH	COLSON 550 MOD	CHRIS LARSEN	Identified as "MOD". <b>Provisional CBH withdrawn.</b> RRSRC Ballina NSW.
KD	RL 24 DK C MOD	ALAN DAU	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
KIWI BIRD	SPIDER 28	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
KRAKEN	BOOMAROO 22 C MOD	STEFAN DUNLOP	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
LE ROSSIGNOL	ROSS 780 C MOD	PETER McKENZIE	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
MAGIC MOMENTS	SONATA 6.7 MK1	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
MANITOU	COLE 23 C MOD	PETER ROBINSON	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
MILD OATS	MAGIC 25 Mod	RUSSELL DENHOLM	Failure to submit result data. <b>Provisional CBH withdrawn.</b> BeYC VIC
PARAFUNALIA	JEANNEAU FUN 7.2	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated</b>
PHOENIX	SPRINT 550	CRAIG McPHEE	Failure to supply result data. <b>Provisional CBH withdrawn.</b> Boat also known as ESCAPEE. CBBC SA.
ESCAPEE	SPRINT 550	CRAIG McPHEE	Failure to supply result data. <b>Provisional CBH withdrawn.</b> Boat also known as PHOENIX. CBBC SA.
POSH JUNK	TIMPENNY 670	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
PUREBRED MONGREL	HARTLEY 16 C MOD	MICHAEL UNWIN	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
RUN RUN	BECKMAN 5.9	JOE VAUGHN	Failure to submit result data. <b>Provisional CBH withdrawn.</b> MYC VIC.
SEA THE LIGHT	MAGREGOR 26X	RAYMOND McKENZIE	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
SERENE	COURT 650 C MOD	SUZETTE LAUX	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
SEVENTY & SEXY	HARTLEY TS16 Sports	GUNTER HEUCHMER	Failure to submit result data. <b>Provisional CBH withdrawn.</b> RRSRC. Ballina NSW.
SHIRLY VALENTINE	MW SHARPIE	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
SLING SHOT	LEECH 650 MOD	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
SPIDER 550	SPIDER 550	ALL OF CLASS	Failure to submit result data. <b>Class provisional CBH withdrawn.</b> RRSRC Ballina NSW
STORMY AFFAIR	RL 28 MOD	Unknown	Identified as "MOD". Location and current measurement details unknown. <b>No CBH allocated.</b>
SUPER FREAKY	YOUNG 6.6	ROBERT ROSENDAHL	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
THE OTHER WOMAN	ROSS 830	STEPHEN EDMUNDS	Not an ATYSBR approved TY. <b>Erroneous CBH withdrawn.</b>
TIME OFF	YOUNG 6 C MOD	CHRIS O'SHANNESSY	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
TRUE BLUE	NOOSA 620 OAK	MARTY WALLACE	Unmeasured boat. 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
UFO	ALIEN 22M OAK	RUSSELL SIMS	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
WHITE HEAT	BLAZER 740 C MOD	KEN DONALDSON	Identified as "MOD". 2016 Bay to Bay declaration. <b>No CBH allocated.</b>
UPBEAT	BLAZER 23 MOD	Unknown	Identified as "MOD". Current measurement details unknown. <b>No CBH allocated.</b> NYRC QLD

## **APPENDIX `B`            INFORMATION FOR OWNERS**

### **INTRODUCTION**

Trailable Yachts and Sports Boats use the Class Based Handicap system (CBH). The Class Based Handicap was conceived by the Victorian Yachting Council (VYC) Trailable Yacht Division, now Yachting Victoria (YV), in 1985 to cater for open fleet racing of differing classes of trailable monohull yachts.

The CBH rating uses a system derived from the Junior Offshore Group (JOG) measurement system. Performance information and empirical evidence provide a de-rating factor, which varies between classes (even similar types); due to the inability of the measurement system to consider subtle variations in things such as hull form.

The CBH for each class of yacht is set such that only a well sailed yacht, in top racing condition, would have an equal chance of winning a series of races over varying conditions against equally well sailed yachts from other classes.

Where club racing consists of trailable yachts and sports boats, sailing with “off the beach” boats it is recommended that back calculated personal handicaps are used and that the CBH system is used as a starting point for handicappers to rate the different boats.

It is therefore recommended that in club mixed fleet TY & SB racing and at National, State and Class Championships the CBH system is used. The elapsed time for a race is multiplied by CBH to obtain the corrected time.

### **APPLYING FOR A CBH**

Detailed, accurate measurement data will be required to obtain a CBH. This technical information is usually obtained from the designer/builder.

To obtain a CBH an owner/builder/designer or class association must: -

- Apply on the prescribed application form provided by the Measurer of the applicable state office, along with the class rules.
- Submit the appropriate measurement fee to the Measurer of the applicable state office.
- Make available the boat for measurement.

To ensure the manufacture of class yachts complies with the original specification as supplied to the Custodian, the first boat built after five (5) years of receipt of the CBH certificate, or the first boat built by a new manufacturer shall be measured as if applying for a new CBH.

### **APPLYING FOR RE-MEASUREMENT**

Any alteration or modification to a trailable yacht or sports boat, or its equipment that does not accord with class rules will require re-measurement and the re-allocation of a suitable Provisional CBH.

- ❖ Modified boats are required to carry a `MOD` symbol on the mainsail, near to the class insignia.

### **MEASUREMENT ACRONYMS**

LOA	Length Over All (mm)	LPG	Longest perpendicular of largest Genoa (mm) (Luff to Clew at a right angle to the luff)
LWL	Length of Water Line (mm)		
B	Rated Beam (mm)	P	Mainsail Hoist (mm)
MASS	Total Mass (kgs)	BLM	Batten Length Mainsail (maximum) (mm)
BM	Maximum Beam (mm)	E	Mainsail Foot Length (mm)
I	Fore Triangle Height (mm)	EPF	Effective Propeller Factor
SL	Spinnaker Luff (mm)	KF	Keel Factor
J	Base of Fore Triangle (mm)	OAML	Over All Mast length (mm)
SPL	Spinnaker Pole Length (mm)	IM	Sheer line to Hounds
SMW	Spinnaker Maximum Width (mm)		

## PREPARATION OF YACHT FOR MEASUREMENT

- All the above items must be measured for a handicap to be produced.
- This will not include batteries, anchors and chain, navigational instruments and cooking appliances (unless required under the Class rules). No food, clothing, stores, toolkits PFD's or additional ballast, etc. shall be aboard. Fuel and water tanks shall be empty.
- Dimensional bands shall be painted on the mast and boom in a contrasting colour ("black bands").
- Spinnaker poles shall be in the normal stowage position.
- All sails used whilst racing shall be stowed below deck on the cabin sole and not forward of the mast.
- All mattresses, cushions and pillows as required by class rules shall be stowed in their normal positions.
- Centreboards, swing keels and drop keels shall be in the fully lowered position.
- If the yacht motor is an outboard motor, it shall be fitted in the operating position.
- The yacht shall be rigged completely and ready to sail.
- The yacht's bow shall not be depressed through lying to a mooring and the bilges shall be dry.
- Major hull measurements may be taken ashore, with the yacht approximately level.
- The longitudinal trim should be established from freeboard measurements taken from the yacht afloat in measurement trim. Large overhangs may be considered in assessing waterline length or de-rating factor.
  - For the measurement of fore-triangle height, (the "I" measurement), the distance shall be measured from the midpoint of a line taken athwart ships, through the sheer of the hull directly below the mast, to the intersection of the forestay with the mast.



- The weight of the boat (mass) shall be measured with the boat in racing trim. It will not include the fuel, anchors, chains, and safety equipment (unless required by the Class Rules), food, clothing, stores, tool kits, etc. but shall include the motor. Measurement of Mass will be determined during the measurement process by use of the applicable state's weighing equipment.
- The applicant for measurement will be required to sign the measurement certificate and a declaration as to the validity of all measurements listed on the certificate. Subsequent infringement of any of the measurements may lead to disqualification in a race(s) in which the infringement(s) occurred and any other previous races as may be determined, resulting in possible withdrawal of the CBH to prevent further race entries.
- Supplementary measurement information/class rules, in accordance with the attached guidelines, will be required before a Class Based Handicap will be provided.
- Where no class association exists for a design, the state office may assist the owner, if necessary, to prepare this information.
- In addition to undertaking measurements, which are the basis of the handicap formula, checking the measurements against those contained in the class rules / supplementary measurement information questionnaire shall be required.

***Australian Sailing or any of its members, officers or servants will not accept liability for any damage or injury how so ever incurred during the entire measurement process.***



## **AUSTRALIAN SAILING TYSB TECHNICAL COMMITTEE**

### **Guideline for Submission of Result Information**

Race results gained over a wide range of races, i.e., mixed open fleet regattas as well as club racing are essential. A full sailing season will provide for the best comparison of results.

Races conducted over windward/leeward courses as well as triangular courses are preferred, whereas "Passage Races" are considered unacceptable as they do not provide reliable race result data suitable for the evaluation of a provisional CBH.

Ideally, race result data will contain the following elements.

- a) Yacht Club, Event Name and Location
- b) The CBH rating allocated to each class of boat, OAK, or modified boat in the race or division.
- c) The CBH shall accord with the CBH allocated to each class of boat, OAK, or modified boat in the relevant section of the National CBH List. (ATYSBR Appendix 'A').
- d) The Elapsed Time for each boat in the race or division shall be recorded in the results.
- e) The Corrected Time for each boat in the race or division shall be recorded in the results.
- f) The Final Place for each boat in the race or division shall be recorded in the results.
- g) Where possible wind velocity, sea state and tidal flow shall be recorded.
- h) The owner of a boat whose provisional CBH is being reviewed is requested to supply a Statutory Declaration stating that the boat, its equipment including all sails, has not been modified since the provisional CBH was issued.

**\*\*\*HARD COPY\*\*\***

**Race Results must be posted to :-**

**THE CHAIRMAN  
AUSTRALIAN SAILING TY&SB TECHNICAL COMMITTEE  
C/O PO BOX 380  
SUNBURY  
VIC 3429**

## APPENDIX 'C'

## CBH APPLICATION FORM

NAME OF APPLICANT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

PHONE NO:      Bus \_\_\_\_\_ Home \_\_\_\_\_

Fax \_\_\_\_\_ Mobile \_\_\_\_\_

STATUS OF APPLICANT: \_\_\_\_\_

(e.g. Club or association, manufacturing or agent, private owner)

CLASS OF BOAT: \_\_\_\_\_ NAME OF BOAT: \_\_\_\_\_

SAIL NUMBER: \_\_\_\_\_ YEAR BUILT: \_\_\_\_\_

DESIGNER: \_\_\_\_\_ DESIGN DATE: \_\_\_\_\_

NAME & ADDRESS OF OWNER: \_\_\_\_\_

(If not the Applicant)

\_\_\_\_\_

Is a set of Class Rules attached?	(Please Circle)	Yes	No
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If no Class Rules attached, have Class Rules been established?	Yes	No
--	-----	----

Is this application for a modification? If yes attach details.	Yes	No
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**NOTE:** If no Class Rules are attached Appendix F **must** be completed

Applications should be submitted with the details required and should be accompanied by any supporting or evidentiary information regarding the yachts performance against other known Classes.

All handicaps issued are "Provisional" until the next annual CBH review, except that a boat may remain on a "Provisional" handicap for a maximum of two years. Provisional handicaps are subject to adjustment, upwards or downwards, at the discretion of the Custodian.

Application form to be returned to Australian Sailing by emailing [sailingservices@sailing.org.au](mailto:sailingservices@sailing.org.au)

## APPENDIX `D`

## MEASUREMENT PROCEDURES

1. It is the purpose of the CBH to encourage, where possible, the rating of boats as a class rather than individually, although this does not preclude the measurement and rating of “one of a kind” (OAK) designs.
2. Applications for measurement and CBH calculation should come from the class association, or the manufacturer or his agent and a set of class rules should be lodged with the application for measurement.

The owners of OAK designs should submit their applications in as much detail as possible and provide similar information as that required for class boats.
3. Applications should be directed to Australian Sailing by emailing [sailingservices@sailing.org.au](mailto:sailingservices@sailing.org.au) on the prescribed form and shall be accompanied by the prescribed fee, as determined by Australian Sailing.
4. Australian Sailing will allocate the task to an appointed measurer. Australian Sailing will advise the applicant of the name, email address and telephone number of the Measurer.
5. A mutually satisfactory appointment will be made between the applicant and measurer.
6. On completion of measurement, the measurer will forward the data to the Custodian for calculation and preparation of the measurement certificate.
7. Four (4) copies of the measurement certificate will be distributed as follows:
  - Two copies to the applicant. One of the copies must be signed (preferably on behalf of the Class Association) and returned to Australian Sailing.
  - One copy to the Custodian.
  - One copy to the Measurer
8. By signing a copy of the measurement certificate and returning it to Australian Sailing, the applicant expresses his acceptance of the work.
9. The application fee may be set by Australian Sailing.
10. Part-measurements and checking of alterations must be applied for in the same way as a full measurement and a measurement fee (up to the full amount) paid.
11. All new measurements and CBH results will be circulated by the Custodian to Australian Sailing for distribution to Organising Authorities.
12. All handicaps issued are “Provisional” until the next annual CBH review, except that a boat may remain on a “Provisional” handicap for a maximum of two years. Provisional handicaps are subject to adjustment, upwards or downwards, at the discretion of the Custodian.
13. If travel incurred is more than 50 km from the capital city GPO, or from the Measurer’s home address, the Measurer shall be paid an additional \$25.00 per 50 km or part thereof. Payments will be made by the state office when measurement certificates are issued.

## APPENDIX `E` GUIDELINES FOR PREPARATION OF CLASS RULES

The Custodian recommends that the following information be included in Class Rules for Trailable Yachts and Sports Boats. It is to be noted that a minimum of five (5) boats constitutes a class.

### 1. General

Name of class, objects, authorised builder, etc

### 2. Class Certificates

It is recommended that each class undertake their own measurements to ensure that class rules are complied with and certificates issued to owners. Queries concerning measurement methods must be directed to the applicable state office.

### 3. Measurements

Details of class measuring procedures, designation of class measurer etc.

### 4. Hull and Deck

Specification of material of construction permitted (a) hull, (b) deck, and reference to hull plans and dimensions. A diagram of the boat should be appended containing the main hull and deck dimensions. Deck layout if prescribed. Internal ballast, weight and position. Waterline marks required and their measured location prescribed.

### 5. Keel/Centreplate

Type (*swing/drop/bilge/canting*), weight (*where located*), dimensions and shape (*aerofoil/flat plate etc*), method of raising and lowering, whether lockdown device is fitted (Refer to Australian Sailing Special Regulations). If swing keel, whether any devices (i.e., centreplate flaps or blocks) are permitted to fill the slot opening. A diagram should be appended with dimensions.

*(Note: where flaps/blocks or similar devices designed to reduce drag are fitted to classes with swing keels, they will, for measurement purposes, be treated as a drop keel).*

### 6. Rudder

Type allowed (*swing/dagger etc*), how to be mounted. A diagram should be appended showing dimensions and mounting details.

### 7. Masts and Spars

Section size and material allowed for mast, boom, spreaders, spinnaker pole etc., dimensions, reefing system for sails etc.

### 8. Rigging

Type of standing rigging and wire size, location of intersection with mast, position of chain plates etc., halyards (wire or rope), dimensions, internal or external, where attached to mast, location of halyard blocks on mast, spinnaker ring etc. A diagram should be appended. Spars should have dimensional limit bands painted on in contrasting colour.

### 9. Sails

Number and type permitted, materials allowed, detailed sail plan to be attached indicating:

<b>Main</b>	Measurements of foot, luff, area, roach, batten types, batten lengths, and headboard width. A diagram showing shape and dimension should be appended.
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<b>Genoa</b>	Foot, luff measurement, area. A diagram should be appended showing shape and dimensions. Any restrictions on type of cut (mitre, crosscut, etc).
<b>Jibs</b>	As per Genoa
<b>Bloopers</b>	If permitted
<b>Spinnaker</b>	Width, height, area and a diagram should be appended showing shape, restrictions on cut (cross, radial head, asymmetric etc). Maximum number of spinnakers to be used during a race.

## **10. Optional Devices**

Details of what is permitted under class rules, e.g. boom vang, mainsheet traveller, tiller extension, main luff down haul (Cunningham), backstay tension device, barber haulers, mainsail foot outhaul, flattening reef etc.

## **11. Prohibitions**

Any items specifically prohibited such as trapeze, crew hiking out, rotating masts, etc.

## **12. Fittings required in cabin**

Details of essential furniture to be contained in the boat, e.g. bunks, stove, sink etc.

## **13. Auxiliary Power**

Type of motor permitted (*outboard / inboard*), minimum horsepower, if outboard where carried (*in well / on transom*). Note: Motors must be mounted in the normal operating position whilst racing (*refer to Australian Sailing Special Regulations, Part 1*), except that the motor may be tilted such that the propeller and leg are clear of the water.

## **14. Safety**

At a minimum, class rules shall meet the requirements of Australian Sailing Special Regulations; any additional requirements of the class must be specified, e.g. PFD's to be worn at all times, whether lifelines are required, buoyancy requirements etc.

## **15. Crew**

Minimum number required for sailing, minimum age, etc

## **16. Association Insignia**

Diagram to be attached

## **17. Any other requirements**

Please list.

## APPENDIX 'F' SUPPLEMENTARY MEASUREMENT INFORMATION

Name of Class \_\_\_\_\_

This questionnaire is taken from the guidelines issued for the preparation of class rules. Where class rules do not exist (such as where there are only a few boats of a class, and there is no association), the owner(s) of the boat type presented for measurement should endeavour to supply as much of the information as possible.

It should be noted that the questionnaire has an alternative title of "Supplementary Measurement Information" and it is suggested that the information should be supplied by classes although it may not be listed at the present time in the "official" class rules.

It should also be noted that the numbering system is based on the guidelines and as the first measurement listed in the guidelines is number 4. The same numbering system has been used in the questionnaire.

All measurements shall be supplied in millimetres and weights in kilograms.

### 4. Hull and Deck

#### 4.1 Construction Material Allowed

(a) Hull Marine Ply  Solid GRP

Other (specify) \_\_\_\_\_  
(e.g. airex foam, balsa core etc)

(b) Deck Marine Ply 

Other (specify) \_\_\_\_\_  
(e.g. airex foam, balsa core etc)

#### 4.2 Dimensions (attach diagram with dimensions if possible)

LOA \_\_\_\_\_ LWL \_\_\_\_\_ MAX. BEAM \_\_\_\_\_

If skeg, or shoal draft keel etc., specify \_\_\_\_\_

Approx. shape and dimensions \_\_\_\_\_

#### 4.3 Other hull / deck prescriptions, if applicable.

*(If your class has mandatory deck layout, please specify)*

\_\_\_\_\_  
\_\_\_\_\_

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#### 4.4 Weight

Total minimum weight as per CBH requirements for measurements \_\_\_\_\_ kgs

If available, specify separately weights of:

Hull \_\_\_\_\_ kgs. Deck \_\_\_\_\_ kgs

#### 4.5 Ballast

Keel weight \_\_\_\_\_ kgs. Describe (e.g. lead shot, bulb, solid lead in steel keel etc)

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Internal ballast weight \_\_\_\_\_ kgs. Describe (e.g. steel punching's, lead, etc and where material is positioned. e.g., throughout the keel, at the foot of the keel or other.)

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#### 5. CENTREPLATE/KEEL

Type: (please tick)

Swing ☐

Drop ☐

Swing ☐

Bilge ☐

Drop ☐

Canting ☐

Other (specify) \_\_\_\_\_

Shape: Aerofoil ☐ Flat Plate ☐ Other (specify) \_\_\_\_\_

Dimensions: Max.Thickness \_\_\_\_\_ mm Width \_\_\_\_\_ mm Length \_\_\_\_\_ mm

Method of raising and lowering describe (e.g. wire winch, hydraulic ram, sheet winch, electric winch. Method of locking centreplate/keel in the down position.)

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If bilge keels, can keels be raised separately? \_\_\_\_\_

If swing (or swing bilge), do class rules allow flaps or other device to block off hole when keel in down position?



Describe \_\_\_\_\_

Attach diagram of keel case showing above information.

## 6. RUDDER(S)

Type: Swing ☐ Dagger ☐ Other

(specify) \_\_\_\_\_

If option allowed, specify \_\_\_\_\_

Shape: Aerofoil ☐ Flat Plate ☐

Other (specify) \_\_\_\_\_

Dimensions: Max thickness \_\_\_\_\_ mm width \_\_\_\_\_ mm length \_\_\_\_\_ mm

*Attach diagram of rudder showing above information*

## 7. MAST AND SPARS

### 7.1 Mast

Shape (*round, oval or pear shape*) \_\_\_\_\_

Section Dimensions:

Fore & Aft \_\_\_\_\_ mm

Width \_\_\_\_\_ mm

Gauge \_\_\_\_\_ Section size \_\_\_\_\_

Tapered \_\_\_\_\_ Length \_\_\_\_\_ mm

Material \_\_\_\_\_

### 7.2 Boom

Shape \_\_\_\_\_

Section Dimensions:

Width \_\_\_\_\_ mm Thickness \_\_\_\_\_ mm

Gauge \_\_\_\_\_ Section size \_\_\_\_\_ mm

Material \_\_\_\_\_

### 7.3 Spreaders:

No. of \_\_\_\_\_

Length \_\_\_\_\_ mm

Material \_\_\_\_\_

Other specifications \_\_\_\_\_

### 7.4 Spinnaker Pole: Length \_\_\_\_\_ mm

Material \_\_\_\_\_

(For boats with bowsprit poles for asymmetric spinnakers, measure length from jib tack to pole end). On these boats, for rating purposes, the "SPL" will be the pole length + "J" (fore triangle base).

## 8. RIGGING (Diagram must be attached)

### 8.1 Standing Rigging

Describe (e.g.). Single fixed backstay, upper masthead shrouds, lower shrouds, 7/8 height forestay etc) and show measurements where attached to mast and hull.

\_\_\_\_\_  
\_\_\_\_\_

Running backstays fitted? \_\_\_\_\_

Twin groove head-sail foil or another similar device allowed? \_\_\_\_\_

Describe: \_\_\_\_\_

Variable tension devices allowed on backstay?

Describe: \_\_\_\_\_

### 8.2 Halyards: Internal or external allowed? \_\_\_\_\_

### 8.3 Location of spinnaker ring? (e.g.).900 mm from mast step) \_\_\_\_\_

**8.4 Height of spinnaker halyard block.** \_\_\_\_\_mm  
(The distance shall be measured from the intersection of the forestay with the mast to the spinnaker halyard exit ("I" + dim?)

**8.5 Black Bands** (or bands of contrasting colour)

**8.5.1** Mast distance apart (inner of both bands – underside of top mast band to inside of Sail track when boom fitted) \_\_\_\_\_mm

**8.5.2** Boom (fore-side of black band to foreside of mast track) \_\_\_\_\_mm

## **9. SAILS**

**9.1 Main and Headsails** (Sail Plan shall be attached)

Note: measurements taken from re-measured boat – notify if any variations exist (suggest check class measurements for foot and luff).

	<b>Main</b>	<b>Jib /Genoa</b>
Maximum area:	_____	_____
Luff:	_____mm	_____mm
Foot	_____mm	_____mm
Genoa LPG		_____mm
Roach	_____mm	_____mm
No. of Battens / total length	_____	_____

*If only largest headsail specified in class rules and no restriction on size or number of smaller sails, specify (i.e. number of sails allowed, etc.)*

**9.2 Spinnaker:** Type allowed (symmetrical / asymmetrical) (If no restriction, state)

Max Area \_\_\_\_\_ Max Luff \_\_\_\_\_mm\_ Max. Width \_\_\_\_\_mm

Leech (asymmetric) \_\_\_\_\_mm Foot (asymmetric) \_\_\_\_\_++\_\_\_\_\_mm

**9.3 General**

If any other restrictions in class rules such as material type, material weights, second smaller spinnaker, etc. specify

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**10      OPTIONAL DEVICES**

Any devices specified in class rules; e.g. 8:1 boom vang, mainsail reefing, jib barber haulers, spinnaker, flattening reef on main (*slab foot*), rotating mast, lifelines mandatory in class rules, etc.

**11      PROHIBITIONS**

Any devices etc. not permitted, e.g. rotating mast, trapeze (*not permitted in Trailable Yacht races*).

-----

**12      INTERNAL FITTINGS – FURNITURE - BUOYANCY**

- 12.1**    Specify any mandatory requirements contained in class rules, e.g. four bunks, sink, stove, toilet etc.  
(Note trailable yacht requirements in Australian Sailing Special Regulations Part 1).

- 12.2**    Buoyancy – required in class rules, specify and describe (*e.g. front and rear sealed air tanks, foam (amount and location)*) etc.
- 
- 

If not buoyant, specify: \_\_\_\_\_

- 13.      AUXILIARY POWER** (*inboard / outboard*) \_\_\_\_\_

If Inboard, propeller type (*fixed / folding*) \_\_\_\_\_

**14.      SAFETY EQUIPMENT**

Specify any mandatory requirements contained in class rules

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**15.      CREW**

Specify minimum number required for racing and minimum age etc

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**16. ASSOCIATION INSIGNIA**

Diagram shall be attached

**17. ANY OTHER REQUIREMENTS NOT SPECIFIED ABOVE BUT CONTAINED IN CLASS RULES**

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**SIGNED:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**TITLE: DESIGNER / BUILDER / CLASS ASSOCIATION / OWNER / OWNERS REPRESENTATIVE.**

(Please circle applicable title)



## ATYSBR MEASUREMENT FORM



DATE: ..... MEASURER: .....  
 BOAT CLASS: ..... BOAT NAME: .....  
 OWNERS NAME: .....  
 CONTACT DETAILS: ..... MOB: .....  
 EMAIL ADDRESS: .....

(Please print address & phone number)

### YACHT DESCRIPTION

KEEL: Device: Drop/Swing/Bilge/Canting ----- Mark either D, S, B or C [ ]  
 Lock down mechanism ----- [ ] Y/N  
 Device to close opening on swing keel ----- [ ] Y/N  
 Shape: Aerofoil section or flat plate ----- Mark either A or F [ ]  
 Ballast: Total weight of keel ----- [ ] kgs  
 Weight distribution uniform along length of keel ----- [ ] Y/N  
 Bulb or Torpedo fitted ----- [ ] Y/N  
 Draft: Maximum ----- [ ] mm  
 Minimum ----- [ ] mm  
 RUDDER: Device: Drop/Swing/Fixed ----- Mark either D, S or F [ ]  
 Shape: Aerofoil section or flat plate ----- Mark either A or F [ ]  
 HULL: Ballast: Total Ballast in hull ----- [ ] kgs  
 Movable or water ballast ----- [ ] Y/N  
 SAIL AREA: Mainsail ----- [ ] M<sup>2</sup>  
 Headsail Largest ----- [ ] M<sup>2</sup>  
 Spinnaker Largest ----- [ ] M<sup>2</sup>  
 Spinnaker hoist from mast base to halyard exit sheave [ ] mm  
 MOTOR: Device: Outboard or Inboard ----- Mark O or I [ ]  
 Rated Horse power ----- [ ] HP  
 Folding or feathering prop or outboard. State Config .....

### HULL MEASUREMENTS (mm's)

ITEM	MEASUREMENT	COMMENT
LOA - Length Overall		
LWL - Length Waterline		
B - Rated Beam		
BMAX - Beam Max		
Bow Overhang		
Stern Overhang		
Mass – Total Mass (KG's)		
Centreboard Mass (KG's)		
SPL- Spinnaker Pole Length		
I – Foretriangle Height		
J - Foretriangle Base		
OAML – Overall Mast Length		

IM - Hound to Sheer		
Mast Height Above Deck		
Test Weight - Righting at '1'		
SR Index		
List Angle @ Max - Keel Cant		



## ATYSBR MEASUREMENT FORM



### SAIL MEASUREMENTS (mm's)

ITEM	MEASUREMENT	COMMENT
<b>MAINSAIL</b>		
BLM - Total Batten Length		
E – Mainsail Foot		
P – Mainsail Hoist		
Width @ Head		
Width @ Upper Height		
Width @ 3/4 Height		
Width @ 1/2 Height		
Width @ 1/4 Height		

<b>LARGEST GENOA</b>		
LPG – Longest Perpendicular		
Luff		
Leech		
Foot		
Width @ Head		
Width @Upper Height		
Width @ 3/4 Height		
Width @ 1/2 Height		

<b>SPINNAKER - SYMETRICAL</b>		
SMW – Maximum Width		
Leech		
Foot		
Half Width		
SPL - Spinnaker Pole Length		

<b>SPINNAKER - ASYMETRICAL</b>		
SMW – Maximum Width		
SL – Spinnaker Luff		
Leech		
Foot		

Half Width		
Bow Pole length		

General Comments: .....

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Measurer: ..... Date: .....

Owner: ..... Date: .....