



**NATIONAL MOSQUITO CATAMARAN COUNCIL (AUSTRALIA)**

**MEASUREMENT FORM**

**TO BE USED WITH THE MOSQUITO CLASS BUILDING RULES AND RESTRICTIONS**

**Please complete this form in print.**

Sail Number: ..... Mode of Sailing: (MkI, MkII or MkI and MkII): .....

Name of Yacht: .....

Hull Colour: ..... Construction: .....

Builder: ..... Year Built:.....

Owner's Name: .....

Address: ..... Postcode: .....

Phone numbers: (h)..... (w)..... (m).....

Owner's Club: .....

**To be filled in by the Measurer**

Name of Measurer: .....

State or Territory: .....

Date of Measurement: ...../...../.....

I certify that the above yacht has been measured and found to comply with all the requirements of the current Mosquito Catamaran Building Rules and Restrictions pertaining to Measurement.

Official Measurer's Signature: .....

**See Rule 2.4:** Change of ownership and certificate validation.

The State/Territory Authority will retain this form when completed. The owner shall be given a Measurement Certificate.

**BR&R 5: HULLS**

**PORT STARBOARD**

5.2 Distance from the bow at deck level to:

5.2.1 Centre line of forward chainplate: (900-930mm) ..... .....

5.2.2 Forward edge of main beam: (2250-2300mm) ..... .....

5.2.3 Centreline of side stay chainplate: (2780-2860mm) ..... .....

5.2.4 Forward edge of centreplate case: (min. 2860mm) ..... .....

5.2.5 After edge of centreplate case: (max. 3353mm) ..... .....

5.2.6 Forward edge of rear beam: (4380-4440mm) ..... .....

5.3 Overall Length: (max. 4900mm) ..... .....

5.4 Overall Width of platform: (max. 2185mm) ..... .....

5.5 The deck widths and hull girths, including deck and hull curves respectively shall be measured between the inner and outer sheer lines at the following points on both hulls: "The sheer line is the intersection of the deck and the side of the hull and does not include "anti-slip systems" placed on the gunwales to achieve hull width dimensions."

5.5.1 Deck width at forward edge of main beam: (340mm - 350mm) ..... .....

Hull girth at forward edge of main beam: (1040mm - 1090mm) ..... .....

5.5.2 Deck width at after edge of rear beam: (350mm - 360mm ) ..... .....

Hull girth at after edge of rear beam: (775mm - 825mm) ..... .....

5.6 Bow Profile (tick if correct to template) ..... .....

5.7 Transom Profile (tick if correct to template) ..... .....

- 5.8 Hull cross section profile (tick if fits within the templates)
- Forward edge of front chainplate: .....
- Forward edge of main beam: .....
- After edge of rear beam: .....
- 5.9 Longitudinal profile: (min. 100 mm deviation) .....
- 5.11 Leading and trailing edges of centrecases / centreboards: (max. 10° rake) .....
- 5.12 The hull sides shall have a fair curve from top to bottom. ....
- When viewed from bow to stern, the sheer line of the deck shall not be concave between the deck measurement points, except for fittings and beam recesses. ....
- 5.13 Deck curvature: (max. deviation from template 5mm) .....
- Gunwale radius: (max. 3mm) .....

**BR&R 6: BEAMS**

- 6.1 Materials and section: **aluminium:** Correct .....
- 6.2 Main and Rear beam: radius on beam corners: (max. 2 mm) .....
- Main beam depth & width: (50 ± 1mm x 39 ± 1 mm) .....
- Main beam wall thickness: (min. 3 mm) .....
- Rear depth & width: (50 ± 1mm x 39 ± 1 mm) .....
- Rear beam wall thickness: (min. 3 mm) .....
- 6.3 No beam fairings: Correct .....
- 6.4 Main beam tie: **stainless steel:** Correct .....
- Width of tie: (min 35 mm) .....
- Thickness of tie: (min 3 mm) .....
- Roundness of leading edge of tie: (max. 5 mm from edge) .....
- Main beam strut: **circular cross section:** Correct .....
- Length of strut: (min. 152 mm) .....
- Diameter of strut: (min. 21 mm) .....
- 6.5 Centre beam: (50 mm dia. or 50 mm square x 1.5 mm wall thickness) .....
- 6.6 Beam fastening: stainless steel, monel or aluminium Correct .....
- 6.7 Beam insertion into hull beam boxes: Correct .....
- BR&R 4.1 Registered number** permanently on rear beam: Correct .....

**BR&R 7: TRAMPOLINE**

7. Please tick if all items in section 7 are correct. Correct .....

**BR&R 8: CENTREBOARDS**

- 8.4 Length of centreboards: (max. 1220 mm) .....
- Width of centreboards: (max. 305 mm) .....
- Thickness of centreboards: (20 mm - 24 mm) .....
- Tick if all other items in section 8 are correct: Correct .....

**BR&R 9: RUDDERS**

9. Please tick if all items in section 9 are correct: Correct .....

**BR&R 10: WEIGHT**

- 10.1 Weight of hulls, platform etc: (min. 55kg) please record.....kg
- 10.2 Corrector(s) **Visible:** Yes / No **Fitted:** Yes / No **Fixed:** Yes / No
- Solid material:** Yes / No **Location:**.....

**BR&R 11: MAST**

- 11.1 Extruded aluminium alloy Correct .....
- 11.2 Overall length: (max. 7360 mm) .....
- 11.3 Forestay height: (5180 mm – 5380 mm) .....
- 11.4 Section width: (59 mm - 63 mm) .....
- Section depth: (86 mm - 91 mm) .....
- 11.5 Height of mast taper: (min. 5180mm) .....
- 11.6 Rotation control: (must be fitted) .....

**BR&R 12: BOOM**

- 12.1 Materials and section: (tick if correct) Correct .....
- 12.2 Diameter of boom: (max. 80 mm) .....
- 12.3 Length of boom: (max. 2800 mm) .....

**BR&R 13: STANDING RIGGING**

- 13.5 Bridle height above deck line: (min. 380 mm) .....
- 13.8 Standing rigging diameter: (min. 3 mm) .....
- Tick if all other items in section 13 are correct: Correct .....

**BR&R 14: SAILS**

**14.3 Foresail / Jib**

- 14.3.1 Number of leech battens: (max. 3) .....
- Length of battens: (max. 300 mm) .....
- Width of battens: (max. 50 mm) .....
- 14.3.2 Method used to attach jib to forestay: Correct .....
- 14.3.3 Head width (max. 50mm) .....
- Luff (max. 4120 mm) .....
- Leech (max. 3810 mm) .....
- Foot (max. 1680 mm) .....
- ½ leech point, (max. 790 mm) .....
- Foot Round (max. 100 mm) .....

**14.4 Mainsail**

- 14.4.1 Foot of the sail: (tick if correct) Correct .....
- 14.4.2 Number of battens: (max. 8) .....
- Length of battens: (max. 100 mm extension) .....
- 14.4.3 Size of optional headboard: (max. 120 mm x 120 mm) .....
- 14.4.5 Length of leech measured in a straight line: (max. 6890 mm) .....
- Length from luff to `A` (Radius - 845mm): (max. 750 mm ) .....
- Length from 'B' to luff (top 1/4): (max. 1280 mm) .....
- Length from 'C' to luff (mid point): (max. 2010 mm) .....
- Length from 'D' to luff (bottom 1/4): (max. 2390 mm) .....
- Depth of foot round 'E': (max. 120 mm) .....

Tick if all other items in section 14.4 are correct: Correct .....

**BR&R 4.2 Registered number** is correct (sail #): Correct .....

**BR&R 15: 'Black Bands'**

- 15.1 Width of contrasting 'black bands': (25 mm) .....
- 15.2 Distance between 'black bands' on mast: (6900 mm) .....
- 15.3 Distance from mast to boom 'black band': (2550 mm) .....
- 15.4 Mainsail sets within the 'black bands': .....

**BR&R 16: MAINSHEET TRAVELLER**

- 16 Tick if traveller complies with section 16 Correct .....

**MISCELLANEOUS**

Please tick if all items in the following sections are correct:

- 17 Hiking Aids Correct .....
- 18 Prohibited Fittings Correct .....
- 19 De-restrictions Correct .....

**BR&R 20: SAFETY REQUIREMENT**

- 20. Refer to Yachting Australia Special Regulations Part 2 for Off the Beach Boats .....

**Notes by the measurer:**