



AUSTRALIAN POWER BOAT ASSOCIATION

National Authority Affiliated with the Union Internationale Motonautique

National President: apbauspresident@gmail.com

National Secretary: apbasecretary@gmail.com

Form 47
Updated Sept 2021

**APPLICATION TO REGISTER AS AN APBA
REINFORCED COCKPIT MANUFACTURER**

FOREWARD

ALL of the Questions (1 to 9), must be answered and Test Samples along with the prescribed fee must be supplied. Test samples to be the same as intended for use in the Reinforced Cockpit Manufacture. When completed please forward Application, Samples, and Cheque to: The Secretary, National Authority APBA.

Name:			
Address:			
Phone:		Mobile:	
Email:		Fax:	

OFFICE USE ONLY			
DATE RECEIVED			
REINFORCED COCKPIT REGISTRATION NUMBER			
DATE REGISTRATION NUMBER ISSUED			
FEE RECEIVED: APBA		UIM:	
NEWTON RATING ACHIEVED DURING TEST			

REINFORCED COCKPIT QUESTIONNAIRE

1. Enclose a complete set of drawings of the Reinforced Cockpit, showing internal and external width(s), length and height.

2. Detail precisely, how the Reinforced Cockpit is to be fastened to the Hull.

3. Explain in detail, how the driver is protected from impact with water and / or debris in an accident.

4. Explain how seats and restraint systems are fastened to the Reinforced Cockpit. (Specify bolt size and materials)

5. If a Canopy is to be fitted, explain how it is attached to the Reinforced Cockpit. (Detail such items as, the hinge, bolt sizes, locking systems etc).

6. Provide / explain any additional test data that has been carried out during development.

7. Describe the floatation material or system used, its location and effective support.

8. Detail the material and location of all Reinforced Cockpit interior cushioning or energy absorption.

9. Explain any Safety Features that have been built into the boat.

REINFORCED COCKPIT COMMITTEE

2014 COCKPIT TEST STANDARDS

The following is to be read in conjunction with Group 1000 rules as printed in the Rule Book.

Sample Construction Requirements as per Rule 1002.41

1. Sample quantity must be three (3), one of which must include a sample of the joint / bonding of the cockpit halves, transverse to the length of the sample.
2. Trimmed sample size must be 100mm \pm 1.0mm wide x 800mm \pm 5mm long, with the width being parallel.
3. For fibre orientation the 800mm length being parallel with the bottom surface of the intended homologated Cockpit.
4. Samples must be laminated on a flat surface using the same manufacturing process, material, and fibre orientation's as the intended homologated Cockpit construction.
5. The sample must have uniform thickness with no core crushing along any edges.
6. The sample must have one molded face and the other being un-molded, the molded face will be taken as being the external surface of the cockpit during testing.
7. The samples must be representative of the thinnest lay-up of the Reinforced Cockpit.
8. The sample and Reinforced Cockpit must be manufactured using balanced or unbiased materials.

Sample Test Method as per Rule 1002.42

1. The sample will be supported across its full width perpendicular to the 800mm edge by two (2) parallel 25mm steel bars at 500mm apart. The load will be applied equally through two (2) 25mm steel bars, each 167mm parallel from each support.
2. The molded face of the sample will have the load applied and the un-molded face will support the sample.
3. The load will be applied at 0.4mm / sec and the deflection will be measured at the two Ø25mm steel bars applying the load within 2 minutes.

Sample Test Requirements as per Rule 1002.43

1. The sample when loaded with the force of either 2000, 3000 or 5000 Newton must have no more than a maximum deflection of 25mm without the sample failing.
2. The sample weight in grm/m² will be calculated, skin thickness and sample thickness will be measured to enable inspection and comparison of damaged homologated cockpits.
3. Further non-destructive test analysis methods maybe used to compare test samples which homologated cockpits during the life of each cockpit.

Sample Manufacturing Information as per Rule 1002.44

1. Ply laminating sequence stating which ply is the molded face.
2. Ply Materials.
3. Ply weave styles
4. Ply material weight in gram/m² (dry weight i.e. without resin).
5. Ply orientation (where 0° is parallel with the 800mm edges)
6. Core material and density in lbs/ft³ or kg/m³
7. Manufacturing method (stating vacuum, pressure, and temperatures).
8. A 100mm x 100mm sample of all materials used (resin samples not required.).



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REINFORCED COCKPIT COMMITTEE

Notice Of

Manufacture: - Alteration: - Modification: -

Repair: -

Of a Reinforced Cockpit
(Please tick the appropriate box)

Manufacturer: _____

Manufacturer's Registration Number: _____

Cockpit Serial Number: _____

Newton Rating: _____

Engine Capacity Limit: _____

Date of Completion: _____

Owner: _____

Owner's Address: _____

Information Re Alterations / Modification / Repairs:

Note: This form is to be filled out upon completion of the Manufacture / Alteration / Modification or Repair to a REINFORCED COCKPIT and sent to the APBA National Secretary.