

2014-2015 National APBA Rule Changes.

AMEND Rule 1112.14 (page 60, 2013-14 Rule Book) to read:

Rule 1112.14

EXHAUST – Local regulations or rules apply.

- Zoomies are permitted.
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AMEND Rule 1112.18 (page 60, 2013-14 Rule Book) to read:

Rule 1112.18

FUEL – Methanol only - the only additive allowed is an upper-cylinder lubricant.

- Other fuel additives are **not permitted**.
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AMEND 305.012 (page 23, 2013-14 Rule Book) to read:

Rule 305.012

Failure to comply with any of the **305 – Management of Event** rules will result in disqualification from that race.

ADD as NEW RULE SECTION 808 (page 43, 2013-14 Rule Book) to read:

Rule 808 Formula Future Safety Orientation

808.01 All Formula Future Drivers must complete a Formula Future Driver Safety Orientation held in conjunction with a State Council approved Reinforced Cockpit Immersion test day or other State Council approved event.

The Safety Orientation can be overseen by any State Council approved Reinforced Cockpit Testing Supervisors, any State Council Executive Member or any affiliated Club Executive member.

808.02 The Formula Future Driver Safety Orientation is designed to acquaint the driver with a situation where they may be immersed in water, but in a controlled environment.

808.03 Formula Future Safety Orientations must be completed annually.

808.04 Formula Future Safety Orientations must include the following:

- Drivers must free fall into the water in full race gear including race suit, shoes, life jacket, helmet and other apparel normally worn whilst racing
- Drivers must fall backwards into the water in full race gear as mentioned previously.

- Drivers must float in the water on their back for 60 seconds in full race gear.
- Drivers must while in the water attempt to dive to the under the water in full race gear.

808.05 The organisers and participants should feel that the orientation has been completed satisfactorily and that a feeling of confidence has been achieved by the participant.

808.06 Formula Future drivers are encouraged to participate in a State council approved Reinforce Cockpit Immersion Orientations.

- * Novice drivers exempt from this rule.

Add new Rule

Rule 1001.012

All existing Reinforced Cockpit boats changing classes must have their Cockpit upgraded to comply with the Class being entered into.

e.g. F1 Tunnel converted to Inboard KT.

Rule 1002.31

Remove the clause on Core Shear Strength and replace with:

CORE DENSITY

The core must be a minimum of 100kg/cubic metre density.

Rule 1002.40

Remove existing Rule in its entirety and replace with:

1002.40 MATERIAL SAMPLE TESTING

1002.41 Sample Construction Requirements

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 and in the middle of the sample.
 2. Trimmed sample size must be 100mm wide (+/-1.0mm) x 800mm long (+/-5mm) with the width being parallel.
 3. For fibre orientation, the 800mm length being parallel with the bottom surface of the cockpit.
 4. Samples must be laminated on a flat surface using the same manufacturing process, materials and fibre orientations as the intended **cockpit**.
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5. The samples must have uniform thickness with no core crushing along any edge.
 6. The samples must have one moulded face and the other being unmoulded. The moulded face will be taken as the external surface of the cockpit during testing
 7. The samples must be representative of the thinnest lay-up of the cockpit
 8. The samples and reinforced cockpit must be manufactured using balance or unbiased materials.

Sample Test Method – Long Beam Flexure Strength Test

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

Sample Test Requirements.

The sample when loaded with a force of either 2000, 3000 or 5000 Newton must have no more than a maximum deflection of 25mm without the sample failing.

1. The sample weight in gram/m² will be calculated; skin thickness and sample
2. thickness will measured to enable inspection and comparison of damaged cockpits.

Further non-destructive test analysis methods may be used to compare test samples with homologated cockpits during the life of each cockpit.

Sample Manufacturing Information Requirements.

1. Ply laminating sequence stating which ply is the moulded face.
2. Ply materials.
3. Ply weave styles.

4. Ply material weight in gram/m² (dry weight ie. 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 temperature).
 8. A 100mm x 100mm sample of all materials used (resin samples not required).
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Rule 1002.42

The tests will be carried out at Full Cost to the manufacturer

Rule 1002.43

Application, samples and cheques are to be sent to:
The Secretary, National APBA

. Add new rule:

Rule 1002.11

The Aft panel (bulkhead) above the deckline of the capsule built after August 2014 must be of a convex shape in both the vertical and horizontal planes. The minimum acceptable curve in the plan view shall be 100mm. Rule a straight line from corner to corner of the capsule at deck line. The centerline of the capsule must project at least 100mm aft of this line.

The curvature in the vertical plane must also be a minimum of 100mm. The aft most point of the capsule must not be above the deck line in any particular hull.

This part of the capsule may be an add on panel but must be built of the same materials as the test panels supplied to the APBA and laminated,glued or bolted into the capsule at the time of the capsule construction, if the manufacturer does not wish to alter his moulds.

Any bolts passing through this bulkhead, must be hard spotted for location of seats, seat belts and, or lifting eyes.

I.e. the coring must be removed, at least bigger than the corresponding fender washer of the bolt and replaced with a

material that cannot be crushed when the bolts and nuts are tightened.

New Rule:

Rule 1002.179

If a boat fitted with a Reinforced Cockpit is involved in a serious incident, the Seat Belts are to be removed and replaced.

Rule 1002.180

All Seat Belts are to be replaced every five (5) years or sooner if found to be frayed or damaged.

Start Date of use shall be from September 2014 when in Technical Inspection they will be recorded with a date.

Rule No: 1103.04 Only automotive and or marine engines are permitted for use in the inboard Classes. Non- automotive and non-marine engines may only be used in demonstrations. Demonstrations can only be approved by the Association or a Council

DELETE THIS RULE:

Rule No : 1103.05

The maximum capacity for engines in the inboard class is 10,000cc with the exception of boats participating in demonstrations.

DELETE THIS RULE:

Rule No: 305.013

All communications to cease immediately upon the start of each race with the exception of :-

- Yes and no answers to the driver
- Where red flag or caution flag is displayed, or
- In the event of an emergency eg: fire

Rule No: 305.013

To be reworded as

All communications to cease immediately upon the start of each race with the exception of :-

- Safety calls to driver
 - Which flags are displayed
 - In the event of an emergency eg: fire/where a boat is stopped on the course
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Rule No: 203.021

The Entry Form, together with any prescribed fee (refer to Rule 203.072) is to be forwarded to the Secretary of the Council conducting the event thirteen (13) days before the Event or 7 days before the Event in the case of Drag Boat Championships.

To be reworded as:

The Entry Form, together with any prescribed fee (refer to Rule 203.072)are to be forwarded in the first instance to the Secretary of the Council conducting the event (not Club, managing the event) thirteen (13) days before the Event or 7 days before the Event in the case of Drag Boat Championships.
