INTERNATIONAL VAURIEN CLASS ASSOCIATION

The following amendments to the Class Rules have been approved to be effective 7 June 2013

1 Current Rule:

A.3.1 The international authority of the class is the ISAF who has delegated to IVCA the administration of the class; IVCA shall co-operate with ISAF in all matters concerning these **class rules**.

Amended Rule:

A.3.1 The international authority of the class is the ISAF who has delegated the administration of the class to the IVCA. IVCA shall co-operate with ISAF in all matters concerning these **class rules**.

2 Current Rule:

B.2.1 The hull **certificate** shall carry a satisfactorily buoyancy check confirmation.

Amended Rule:

B.2.1 The hull shall be watertight according to appendix – Section H

3 Current Rule:

C.5.2 OPTIONAL

(a) FOR USE

(1) Electronic or mechanical timing devices.

(2) One magnetic or electronic compass.

Amended Rule:

C.5.2 OPTIONAL

(a) FOR USE

(1) Any mechanical and electronic timing devices.

(2) One magnetic or electronic compass with only heading function. Compass and timing device may be incorporated into a single device.

4 Current Rule:

C.6.2 BUOYANCY

The owner is responsible at all times for the buoyancy and for ensuring that at intervals of not more than 12 months the buoyancy is tested according to Appendix H and declaration endorsed by an **equipment inspector**. If in doubt regarding compliance with B.2.1 an **equipment inspector** may order a buoyancy test, afterwards checking the buoyancy tanks for significant leakage. If the buoyancy is deemed unsatisfactory, the **certificate** shall be withdrawn and not return until satisfactory remedial measures have been taken.

Amended Rule:

C.6.2 BUOYANCY

The owner is responsible at all times for the boat buoyancy~~.~~ If in doubt regarding compliance with B.2.1 an **equipment inspector** may order the buoyancy test in accordance with appendix – section H. If the buoyancy is deemed unsatisfactory, the **certificate** shall be withdrawn and not return until satisfactory remedial measures have been taken by the owner.

5 Current Rule

None

Amended Rule:

C.7.3 WEIGHT

The weight of the **hull** including all fittings in D.10.1 shall be a minimum of 73Kg.

6 Current Rule:

C.8 HULL APPENDAGES

C.8.1 MODIFICATIONS AND MAINTENANCE AND REPAIR

(a) Routine maintenance such as small repairs, painting, sanding and polishing is permitted without re-measurement and re-**certification**.

Amended Rule:

C.8 HULL APPENDAGES

Delete Rule

7 Current Rule:

C.9 RIG

C.9.1 MODIFICATIONS AND MAINTENANCE

(a) Routine maintenance such as changing lines and/or cables is permitted without re-measurement and re-**certification**.

Amended Rule:

Delete Rule

8 Current Rule:

C.9.3 MAST

(a) USE

(1) The **spar** shall be stepped in the mast step in such a way that the heel shall not be capable of moving more than 5mm in any direction.

(2) Rotating **masts** are prohibited.

(3) The fore and aft bend of the **mast spar** may be controlled at the mast partners by any system.

Amended Rule:

C.9.3 MAST

(a) USE

(1) The **spar** shall be stepped in the mast step in such a way that the heel shall not be capable of moving more than 5mm in any direction.

(2) Rotating **masts** are prohibited.

(3) The fore and aft bend of the **mast spar** may be controlled by any system located not more than 100mm above the upper face of the mast thwart.

9 Current Rule:

C.10.3 MAINSAIL

(a) IDENTIFICATION

(1) The national letters and sail numbers shall comply with the RRS except where prescribed otherwise in these **class rules**.

(2) Competitors may use the sail number of any **hull** owned by them, on any boat chartered by them.

(b) USE

(1) The **sail** shall be hoisted on a **halyard**. The arrangement shall permit hoisting and lowering of the **sail** at sea whilst afloat.

(2) The **sail** shall be set in accordance with ERS B.9.1.

(3) **Luff** and **foot** bolt ropes or slides shall be inside the **spar** grooves or tracks.

(4) Battens shall be fitted into their respective **batten pockets** when *racing*, except in the case of accidental loss.

C.10.4 HEADSAIL

(a) USE

(1) The **headsail** shall be hoisted and lowered on a **halyard**. The arrangement shall permit the hoisting and lowering of the **sail** at sea whilst afloat.

C.10.5 SPINNAKER

(a) IDENTIFICATION

(i) The sail numbers shall comply with the RRS Appendix G.

(ii) As an alteration to RRS Appendix G National Letters are optional.

(b) USE

1) The spinnaker shall be hoisted on a **halyard**. The arrangement shall permit the hoisting and lowering of the **sail** at sea whilst afloat.

Amended Rule:

C.10.3 IDENTIFICATION

(a) The national letters and sail numbers shall comply with the RRS except where prescribed otherwise in these Class Rules

(b) Competitors may use the sail number of a hull owned by them, on any boat chartered by them.

(C) As an alteration to RRS Appendix G National Letters on the spinnaker are optional

C.10.4 USE

(a) The sails shall be hoisted on halyards. The arrangements shall permit hoisting and lowering of every sail at sea while afloat.

(b) The mainsail shall be set in accordance with ERS B.1.

(c) Mainsail luff and foot bolt ropes or slides shall be inside the spar grooves or tracks.

(d) Mainsail battens shall be fitted into their respective batten pockets when racing, except in the case of accidental loss.

10 Current Rule:

None

Amended Rule:

Add in C.10.4 :

(e) Headsail luffwire at tack shall be attached to forestay fitting.

11 Current Rule:

D.10.2 DIMENSIONS

(a) GENERAL

The sections shall be taken as vertical, transverse planes at the following positions :

Section 0 : at FMP2

Section 2 : at 2720mm from **hull datum point (HDP)**

Section 4 : at 1360mm from **hull datum point**

Section 6 : at **hull datum point**

Amended Rule:
Move rule to D.2.3 (g)
And re-number accordingly.

12 Current Rule:

D.2.6 MATERIALS

(a) The **hull** shall be built from one or more of the following options:

- Wood and/or plywood
- Glass reinforced plastic (GRP) composed of E-Glass fibre for reinforcement and or Polyester, polyvinyl or epoxy resins as laminating agent
- Composites combining GRP as defined above for skin and for core Polyvinyl chloride (PVC) closed-cell foam of nominal density not less than 65 Kg/m^3 or Polyuretane or balsa wood.

Amended Rule:

Improved formatting.

D.2.6 MATERIALS

(a) The **hull** shall be built from one or more of the following options:

1. Wood and/or plywood.
2. Glass reinforced plastic (GRP) composed of E-Glass fibre for reinforcement and/or polyester, polyvinyl or epoxy resins as laminating agent.
3. Composites combining GRP as defined above for skin and for core Polyvinil chloride (PVC) closed-cell foam of nominal density not less than 65Kg/m3 or polyurethane or balsa wood.

13 Current Rule: (Hull Sheel)

D.3.1 CONSTRUCTION

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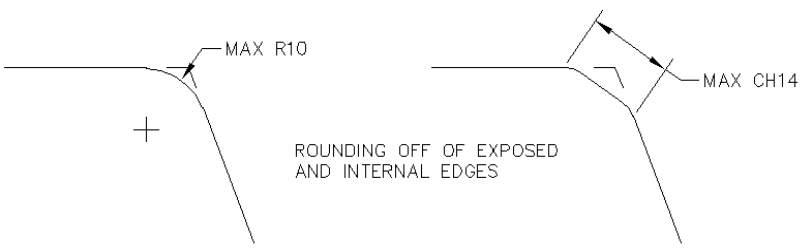
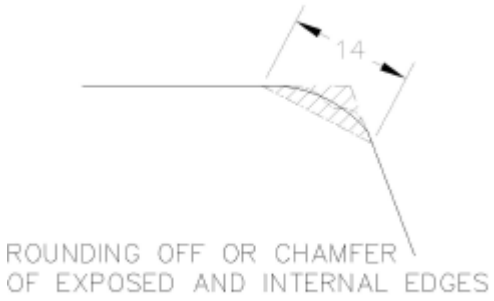
(f) Rounding off of exposed and internal edges of the **hull** is permitted to a maximum radius of 10mm or the angle may be cut with chamfer of a maximum of 14mm distance between edges, as shown in Diagram D.3.2.1. Angles between **keel** and **skeg** can be filled as shown in Diagram D.3.2.2.



Amended Rule:

D.3.1 CONSTRUCTION

(f) Rounding off of exposed and internal edges of the **hull** is permitted with any shape and in an area of maximum 14mm wide as shown in diagram D.3.2.1. Angles between keel and skeg can be filled as shown in Diagram D.3.2.2



14 Current Rule:

D.4.3 **Bilge keels** are optional. If used, they shall be positioned between section 2 and 4 and under the optional outer floor battens. They may be faired over a maximum length of 120mm from the aft most side and fore most side.

Amended Rule:

D.4.3 BILGE KEELS

Bilge keels are optional. If used, they shall be positioned between section 2 and 4 and under the optional outer floor battens. They may be faired over a maximum length of 120mm from the aft most side and fore most side.

15 Current Rule:

D.4.4 The dimensions of the **skeg** shall conform to those given in diagram D.4.4.1 and shall be measured with a template as specified in Section I. A maximum of 5mm tolerance is permitted. The thickness shall be between 20mm and 24mm.

Amended Rule:

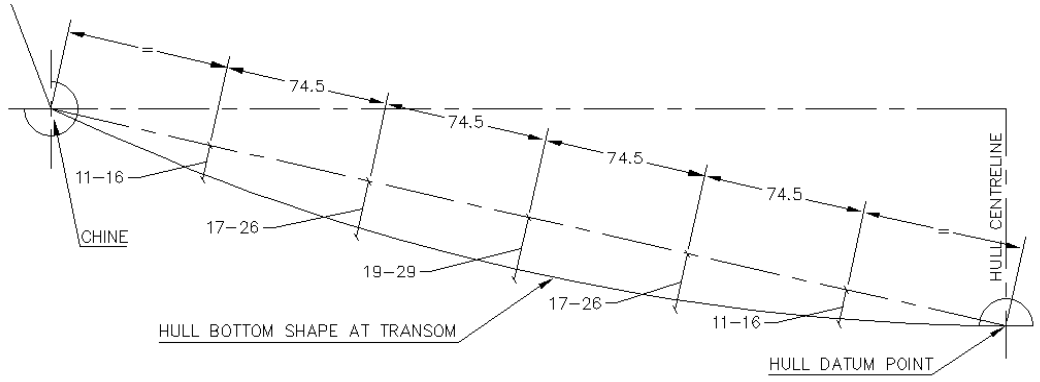
D.4.4 SKEG

The dimensions of the **skeg** shall conform to those given in diagram D.4.4.1 and shall be measured with a template as specified in Section I. A maximum of 5mm tolerance is permitted. The thickness shall be between 20mm and 24mm.

6 Current Rule:

D.5.1 DIMENSIONS

(a) The bottom shape of the transom shall conform to diagram D.5.1.(a) and shall be measured with the transom bottom shape template as specified in Section I. Measurements in the diagram include minimum and maximum.



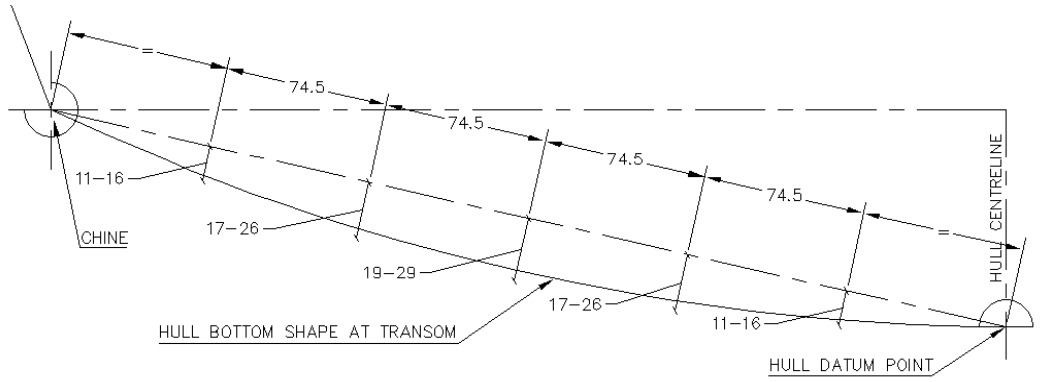
D.5.1(a) - TRANSOM DIAGRAM

(b) The transom surface shall be flat with a tolerance of +/-5mm as shown on diagrams D.5.1 (b)

Amended Rule:

D.5.1 DIMENSIONS

(a) The bottom shape of the transom shall conform to diagram D.5.1.(a) and shall be measured with the transom bottom shape template as specified in Section I. Measurements in the diagram include minimum and maximum.



D.5.1(a) - TRANSOM DIAGRAM

(b) The transom surface shall be vertical to the baseline and flat with a tolerance of +/-5mm as shown on diagrams D.5.1 (b)

17 Current Rule:

D.5.2 DRAINAGE PORTS

The transom shall have a maximum of two drainage ports in which case they shall be equidistant from the transom centreline with a maximum tolerance of 2mm. They shall have a minimum total combined area of 1950 mm^2 and be either:

(a) Circular, as close as possible to the bottom panel, or,

(b) Of any shape with no dimension exceeding 120 mm in any direction and not less than 15 mm from the outside of the bottom skin.

If the boat is fitted with self-bailer/s the drainage port/s shall have a minimum section area of 760 mm^2.

Amended Rule:

D.5.2 DRAINAGE PORTS

The transom shall have a maximum of two drainage ports in which case they shall be equidistant from the transom centreline with a maximum tolerance of 2mm. They shall have a minimum total combined area of 1950 mm^2 and be of any shape with no dimension exceeding 120mm in any direction and not less than 15mm from the outside of the bottom skin.

If the boat is fitted with self-bailer/s the drainage port/s shall have a minimum section area of 760 mm^2.

18 Current Rule

None

Amended Rule

Add:

D.6.1

(e) Side decks shall be flat athwartship with a tolerance of +/- 1mm

(f) Side deck widths defined in CR D10.2(b) 19, 20 & 21 shall be measured from sheerline to the inboard end of the flat surface.

19 Current Rule

D.7.2

(d) The compulsory secondary buoyancy shall be provided by the use of a minimum of 100 litres of rigid foam divided into not less than three parts of approximately the same volume and securely attached to the **hull**, one forward of the **mast** and the other two aft of the **mast**, distributed equally on each side of the boat's centreline.

Amended Rule

D.7.2

(d) For GRP hulls compulsory secondary buoyancy shall be provided by the introduction of 100 litres minimum of rigid foam divided into not less than three parts of approximately the same volume and securely attached to the hull, one third forward of the mast and the other two aft of the mast, distributed equally on each side of the boat's centreline

20 Current Rule

None

Amended Rule

Add D.7.2 (f)

The minimum distance between buoyance tanks 50mm above the intersection of the cockpit with the buoyancy tank panels shall be 250mm.

21 Current Rule

D.9.1 CONSTRUCTION

In GRP built **hulls**, the bulkhead shall separate the buoyancy tanks into three compartments.

Amended Rule

D.9.1 SPARE

22 Current Rule:

D.10.1 FITTINGS

(a) MANDATORY

The following fittings shall be positioned in accordance with the Diagrams:

(1) One forestay fitting.

(2) Two shroud plates.

for the following fittings the position is optional:

(3) Mast step.

(4) Two gudgeons or two pintles.

(5) Toe straps not capable of extending outboard.

(6) A locking device for preventing the rudder to be dislodged from gudgeons.

(7) Mainsail sheet blocks .

(8) Headsail sheet blocks, fairleads and cleats.

(9) Spinnaker sheet fairleads, blocks and cleats.

(10) One inspection hole in each buoyancy compartment, provided that the watertight integrity of the buoyancy compartment is maintained and covers are capable of resisting accidental dislodgement, except for buoyancy bags.

(b) OPTIONAL

(1) Halyard tensioners.

(2) Mainsail sheet, fairleads and cleats.

(3) **Mainsail** cunningham blocks, fairleads and cleats.

(4) **Headsail** cunningham blocks, fairleads and cleats.

(5) **Headsail** barber hauler fairleads, blocks and cleats.

(6) Tiller lock.

(7) Stowage clips for paddle, spinnaker pole, sail bags and other equipment.

(8) Two self bailers which may discharge through the **hull** shell.

(9) One magnetic or electronic compass.

(10) Draining holes in buoyancy compartments, provided that the watertight integrity of the buoyancy compartment is maintained and plugs are capable of resisting accidental dislodgement, except for buoyancy bags.

(11) Two spinnaker bags.

(12) Kicking strap adjustment devices.

(13) Any sealing strips for the centreboard slot..

(14) Any adjusting system for the centreboard position at top and/or bottom of the centreboard case.

(15) Laths placed inside the centreboard case to control the lateral play of the centreboard.

(16) Hinged covers or other devices for closing the draining ports or drains in the transom.

Amended Rule:

D.10.1 FITTINGS

(a) Mandatory fittings to be positioned in accordance with the diagrams:

(1) One forestay fitting.

(2) Two shroud plates.

(b) Mandatory fittings which position is optional:

(1) Mast step.

(2) Two gudgeons or two pintles.

(3) Toe straps not capable of extending outboard.

(4) A locking device for preventing the rudder to be dislodged from gudgeons.

(5) Mainsail sheet blocks .

(6) Headsail sheet blocks, fairleads and cleats.

(7) Spinnaker sheet fairleads, blocks and cleats.

(8) One inspection hole in each buoyancy compartment, provided that the watertight integrity of the buoyancy compartment is maintained and covers are capable of resisting accidental dislodgement, except for buoyancy bags.

(c) Optional fittings.

(1) Halyard tensioners.

(2) **Mainsail** sheet fairleads and cleats.

(3) **Mainsail** cunningham blocks, fairleads and cleats.

(4) **Headsail** cunningham blocks, fairleads and cleats.

(5) **Headsail** barber hauler fairleads, blocks and cleats.

(6) Tiller lock.

(7) Stowage clips for paddle, spinnaker pole, sail bags and other equipment.

(8) Two self bailers which may discharge through the **hull** shell.

(9) One magnetic or electronic compass.

(10) Draining holes in buoyancy compartments, provided that the watertight integrity of the buoyancy compartment is maintained and plugs are capable of resisting accidental dislodgement, except for buoyancy bags.

(11) Two spinnaker bags.

(12) Kicking strap adjustment devices.

(13) Any sealing strips for the centreboard slot..

(14) Any adjusting system for the centreboard position at top and/or bottom of the centreboard case.

(15) Laths placed inside the centreboard case to control the lateral play of the centreboard.

(16) Hinged covers or other devices for closing the draining ports or drains in the transom.

23 Current Rule

D.10.2 (b) (7)

Longitudinal distance between forward side of notch in mast thwart and centre of hole in forestay fitting Min 1175mm Max 1185mm

Amended Rule

D.10.2 (b) (7)

Longitudinal distance between forward side of notch in mast thwart and centre of the foremost hole in forestay fitting Min 1175mm Max 1185mm

24 Current Rule:

D.10.3 WEIGHT

		minimum	maximum
	Hull weight	70kg	

The **hull** shall be weighted without any appendages, **rigging, spars**, sails as well as movable fittings or apparatuses, fixed fittings may be left in place

Amended Rule:

D.10.3 WEIGHT

		minimum	maximum
	Hull weight	70kg	

The **hull** shall be weighted with only the mandatory fittings as listed in D.10.1(a)

25 Current Rule:

E.2 GENERAL

E.2.1 RULES

(a) **Hull appendages** shall comply with the **class rules** in force at the time of **certification**.

E.2.2 CERTIFICATION

(a) The **official measurer** shall **certify hull appendages** and shall sign and date the **certification mark**,

(b) An ISAF In-House Certification (IHC) Authorising Authority may appoint one or more Internal Official Measurers at a manufacturer to measure and certify hull appendages produced by this manufacturer, in accordance to ISAF IHC guidelines.

Amended Rule:

E.2 GENERAL

E.2.1 RULES

(a) **Hull appendages** shall comply with the current **class rules.**

E.2.2 CERTIFICATION

(a) No certification is required.

26 Current Rule:

F.2 GENERAL

F.2.1 RULES

(a) The **spars** and their fittings shall comply with the **class rules** in force at the time of **certification** of the **spar**,

(b) The **standing** and **running rigging** shall comply with these **class rules**.

F.2.2 MODIFICATIONS AND REPAIRS

(a) **Spars** shall not be altered in any way except as permitted by these **class rules**.

F.2.3 CERTIFICATION

(a) The official measurer shall certify **spars** and shall sign and date the **certification mark**.

(b) An ISAF In-house Certification (IHC) Authorizing Authority may appoint one or more Internal Official Measurers at a manufacturer to measure and certify **spars** produced by that manufacturer in accordance with the ISAF IHC guidelines.

(c) No **certification** of **standing and running rigging** is required.

Amended Rule

F.2.1 RULES

(a) The **spars,** their fittings and the **standing** and **running rigging** shall comply with the current class rules**.**,

F.2.3 CERTIFICATION

(c) No **certification** of spars, **standing** and **running rigging** is required.

27 Current Rule:

F.2.4 DEFINITIONS

(a) LIMIT MARKS

Limit marks shall be painted or indelibly marked on the **spars** in a contrasting colour 10mm minimum wide. Tape is not permitted.

The **mast datum point** is the lower edge of band n°1.

Lower limit mark is band n°2.

Upper limit mark is band n°3.

Amended Rule:

F.2.4 DEFINITIONS

(a) LIMIT MARK WIDTH

Limit marks shall be painted or indelibly marked on the **spars** in a contrasting colour 10mm minimum wide. Tape is not permitted.

(b) The **mast datum point** is the intersection of the lower edge of mast datum **limit mark** and the aft edge of the **mast** as shown in diagram F.3.6.

28 Current Rule:

F.5.2 FITTINGS

(a) OPTIONAL

1. One hook at each end.
2. Fittings approximately at the mid-point for attachment for lift and downhaul lines.
3. A fixed line between the fittings described in ~~F.5.3 (a) (1),~~ which may incorporate knots, toggles or short tubes.

Amended Rule

F.5.2 FITTINGS

(a) OPTIONAL

1. One hook at each end.
2. Fittings approximately at the mid-point for attachment for lift and downhaul lines.
3. A fixed line between the fittings described in F.5.2 (a) (1), which may incorporate knots, toggles or short tubes.

29 Current Rule:

F.6 STANDING RIGGING

F.6.1 MATERIALS

(a) The **standing rigging** shall be of stainless steel.

F.6.2 CONSTRUCTION

(a) MANDATORY

(1) A maximum of one **forestay**.

(2) Two **shrouds**.

Amended Rule

F.6 STANDING RIGGING

F.6.1 MATERIALS

(a) The **standing rigging** shall be of stainless steel.

F.6.2 CONSTRUCTION

(a) MANDATORY

(1) **One forestay**.

(2) Two **shrouds**.

30 Current Rule:

F.6.4 DIMENSIONS

(a)

		Minimum	Maximum
1	**Forestay** diameter	2,5 mm	
2	**Shroud** diameter	2,5 mm	

(b) No length limitations apply.

Amended Rule

F.6.4 DIMENSIONS

(a)

		Minimum	Maximum
1	**Forestay** diameter	2,5 mm	
2	**Shroud** diameter	2,5 mm	

31 Current Rule:

F.6.5 WEIGHT
No weight limitations apply.

Amended Rule

DELETE RULE

32 Current Rule:

F.7.4 DIMENSIONS
No length limitations apply

F.7.5 WEIGHT
No weight limitations apply.

Amended Rule
DELETE RULES

33 Current Rule:

G.3.3 CONSTRUCTION

(d) The following are permitted: stitching, glues, tapes, bolt ropes, three corner eyes, headboard with fixings, cunningham eye or attachment, cunningham rope, **batten pocket patches**, batten pocket elastic, batten pocket end caps, mast and boom slides, one **window**, tell tales, sail shape indicator stripes, tensioning devices at leech end of the two upper battens, leech lines,

Amended Rule

G.3.3 CONSTRUCTION

(d) The following are permitted: stitching, glues, tapes, bolt ropes, three corner eyes, headboard with fixings, cunningham eye or attachment, cunningham rope, **batten pocket patches**, batten pocket elastic, batten pocket end caps, mast and boom slides, one **window**, tell tales, sail shape indicator stripes, tensioning devices at leech end of the two upper battens, leech lines; Primary reinforcement at upper leech point

34 Current Rule:

Section H – Buoyancy test

H.1 BUOYANCY TEST

The measurer shall witness a buoyancy test as follows :

- the **boat** shall be swamped with water and with weights of not less than 100kg total placed at midship,
- the **boat** shall float with the gunwales clear of the water.

The measurer shall make sure that the buoyancy compartments and their covers as well as drain plugs are safely fastened or, if equipped with air inflated buoyancy, that there are no visible signs of deflation, deterioration or damage.

Amended Rule

With sails, boom, rudder, tiller and all loose gear removed from the boat, but with the centreboard and mast in position, the boat shall pass the following buoyancy test:

(1) With the boat on its side and the mast horizontal, it shall support not less than 100kg placed entirely out of the water on the centreboard close to the bottom. The boat shall float for 5 minutes on each side, followed by 5 minutes upright swamped with water. At the end of this test and with the specified weight aboard close to the centreboard case, the boat must float with the gunwales clear of the water surface for its entire length.

(2) With the boat out of the water, the Measurer shall check that all the buoyancy units contain no more than 1 litres of water overall. Air bags shall not be visibly deflated.