

# INTERNATIONAL 420 CLASS ASSOCIATION



The following amendments to the Class Rules have been approved to be effective 1<sup>st</sup> March 2005.

## **Rule C.2.1 (New Rule)**

**Amendment:** Add rule to read as follows C.2.1.1: "Except on a beat to windward, when surfing (rapidly accelerating down the leeward side of a wave) or planning is possible, the boat's crew may pump in order to initiate surfing or planning, but not by mean of body pumping and only once for each wave or gust of wind."

## **Rule C.2.1.2 to override to RRS 42:**

**Rule C.2.1.2.1** The race committee may permit boats to rock, pump and ooch on a leg of the course when, prior to the leg, the wind is consistently 13 knots or above, measured at deck level. To do so, the race committee shall include in the sailing instructions the appropriate paragraphs from Appendix LE of the Racing Rules of Sailing.

## **Rule G.3.2.4**

**Amendment:** Add "sail button" after "tell tales".

## **Rule G.3.2.5 (New Rule)**

**Amendment:** Add rule to read as follows: "The Sail button shall be fixed in the tack."

## **Rule G.4.1.4**

**Amendment:** Add "sail button" before "sailmaker's trade mark".

## **Rule G.4.1.5 (New Rule)**

**Amendment:** Add rule to read as follows: "The sail button shall be fixed in the tack."

## **Rule G.5.1.5 (New Rule)**

**Amendment:** Add rule to read as follows: "The sail button shall be fixed in the tack."

## **Rule A.9.6 (New Rule)**

**Amendment:** Add rule to read as follows: "Each sail measured after 2005 First March shall have permanently fixed an officially numbered button. No sail shall be accepted for fundamental measurement without a sail button. Sail buttons may not be transferred from a sail to another."

## **Rule A.9.7 (New Rule)**

**Amendment:** Add rule to read as follows: "The treasurer of the ICA, after having received the fee, shall send the buttons to the sail maker."

# INTERNATIONAL 420 CLASS ASSOCIATION



## **Rule C.1**

**Amendment:** Delete “measurement” and add “General”.

## **Rule C.1.1**

**Amendment:** New title “Measurement”. Add “2001-2004” to end of sentence.

## **Rule C.1.2 Rules (New Rule)**

See separate submission

## **Rule C.5.2.1**

**Amendment:** Delete from second sentence “the first” and add “fundamental”. Delete from third sentence “successful” and add “satisfactory”. Add “tanks” to the end of the last sentence.

## **Rule D.4.11**

**Amendment:** Change to read as follows:

The centreboard case shall be in position as shown on measurement diagram 9 and the Drawing No. 5. The forward upper part of the centreboard case shall be 330 mm minimum above the underside of the hull, and the aft upper part shall be 295 mm minimum above the underside of the hull. Overall, the centreboard capping shall be maximum 170 mm width.

## **Rule D.5.1.5**

**Amendment:** Delete from first sentence “fixed directly to the buoyancy tanks”.

## **Rule D.5.1.7**

**Amendment:** Change to read as follows:

One drain hole in each buoyancy tank, located near the transom, with a diameter of 15 mm minimum and 25 mm maximum.

## **Rule D.5.2.8 (New Rule)**

A maximum of four fairleads (also mentioned in F.5.1.2) for the elastic cord connecting the two trapeze wires.

## **Rule D.3**

**Amendment:** Change to read as follows:

The hull, including stem head fitting, shroud plates (but without adjusters), headsail, spinnaker and trapeze line fairleads (but without the elastic cord), cleats and blocks, complete toe straps, rudder pintles or gudgeons, bailer, mainsheet track/bar, centreboard pivot pin, inspection hull covers, spinnaker bags, corrector weights maximum 2 kg, but excluding the centreboard, the control lines, the rudder and the towing rope shall be 80 kg minimum.

## **Rule F.1**

# INTERNATIONAL 420 CLASS ASSOCIATION



**Amendment:** Add “2001-2004” to end of sentence.

## **Rule F.2.2 (New Rule)**

**Amendment:** Add rule to read as follows: “Limitation - Only one mast shall be used during an event, except in case of loss or damage beyond repair. Such replacement may only be made with the approval of the Race Committee.”

## **Rule F.2.3**

**Amendment:** Re-number as necessary

## **Rule F.2.4**

**Amendment:** Re-number as necessary

## **Rule F.2.5**

**Amendment:** Re-number as necessary. Delete “the same material” and add aluminium. Add a second sentence to read as follows: Rotating and permanently bent masts are prohibited but a mast spar curvature measured at any place of the mast between the upper and lower points, of a maximum of 40 mm is permitted.

## **Rule F.2.5.17**

**Amendment:** Rule deleted.

## **Rule F.2.6**

**Amendment:** Re-number as appropriate.

To read as follows:

“The following fittings are mandatory and shall be used as specified:”

### **Rule F.2.6.1**

**Amendment:** To read as follows:

A masthead fitting, which may include the upper sheave for the mainsail halyard.

### **Rule F.2.6.2**

**Amendment:** In the second sentence, change “shockcord” to “elastic”. In the third sentence add “sheaves” after “blocks”. Add “Section F” to the end of the Rule.

### **Rule F.2.6.3**

**Amendment:** Change to read as follows:

One lock at the masthead or one lock or rack below the gooseneck for the mainsail halyard.

### **Rule F.2.6.4**

**Amendment:** Change to read as follows:

# INTERNATIONAL 420 CLASS ASSOCIATION



“A maximum of two blocks, sheaves, or fairleads for each halyard (mainsail, headsail, spinnaker). These blocks or sheaves shall be fixed on the spar.”

## **Rule F.2.6.5**

**Amendment:** Change to read as follows:

“The upper headsail halyard, sheave, block or fairlead shall be located below the forestay rigging point and shall be positioned so that the intersection of the mast and the lower edge of the halyard, when at 90° to the mast, and extended as necessary, shall be at the distance as stated in F.2.7 (see headsail hoist height).”

## **Rule F.2.6.6**

**Amendment:** Change to read as follows:

“The upper spinnaker halyard sheave, block or fairlead shall be positioned so that the intersection of the mast and the lower edge of the halyard, when at 90° to the mast, and extended as necessary, shall be at the distance as stated in F.2.7 (see Spinnaker Hoist Height) No part of this sheave, block or fairlead shall be more than 40 mm from the foreside of the mast.”

## **Rule F.2.6.7**

**Amendment:** Change to read as follows:

“Two shrouds, one forestay and two trapeze wires and the fittings to secure it to the mast. The positions of rigging points of the shrouds, forestay and trapeze wires shall be at the distances mentioned in F.2.7 (see shrouds, forestay and trapeze heights).”

## **Rule F.2.6.8**

**Amendment:** Change to read as follows:

“One set of fixed spreaders and the fixings to connect the spreaders to the mast. The length of spreaders may be adjusted telescopically for length and retained but screws and pins. The fore and aft orientation of spreaders may be adjusted by linkage levers or retained by screws or pins. The spreaders height shall be at the distance stated in F.2.7.”

## **Rule F.2.6.9**

**Amendment:** Change to read as follows:

“One spinnaker boom fitting on the foreside of the mast.” (This rule was F.2.5.15)

## **Rule F.2.6.10**

**Amendment:** Change to read as follows:

“One gooseneck, fixed to the mast to connect the boom to the mast.”

## **F.2.6.11**

**Amendment:** Change to read as follows:

# INTERNATIONAL 420 CLASS ASSOCIATION



“One cleat without moving parts below the gooseneck, for the mainsail Cunningham line.”

## **Rule F.2.6.12**

**Amendment:** Change to read as follows:

“A tensioning system for the headsail halyard, made with two blocks and a maximum of six sheaves and one cleat. This cleat may have moving part and shall be fixed at one of the two blocks. The system shall be attached via a hook or a shackle to the headsail halyard, and at the other end to the mast or the mast step fitting, by means of a wire stop and an attachment to the mast (tang, mast anchor plate....). Enclosed purchase systems such as power boxes are not permitted.”

## **Rule F.2.6.13**

**Amendment:** Change to read as follows:

“One rope or a device around the mast and through the tack cringle to secure the mainsail.”

## **Rule F.2.6.14**

**Amendment:** Change to read as follows:

“A protection around the mast where it touches the mast gate (maximum Height / thickness = 150 mm / 5mm).”

## **Rule F.2.6.15**

**Amendment:** Change to read as follows:

“One spinnaker boom uphaul / downhaul made of rope and elastic and one hook. The spinnaker boom uphaul / downhaul may be fitted with two plastic balls. For the adjustment of the spinnaker boom uphaul / downhaul, only the following fitting is permitted, one eye or block on the foreside of the mast, located below the forestay and shroud attachment. One eye or block or one hole in the mast partner at the foreside of the mast at the level of the mast partner. One block, sheave, or one fairlead at the bottom of the mast. (Additional fitting for the spinnaker boom uphaul / downhaul is stated in D.5.2.7).”

## **Rule F.2.6.16**

**Amendment:** Change to read as follows:

“One kicking strap attachment.”

## **Rule F.2.6.17**

**Amendment:** Change to read as follows:

“A mast heel fitting which may include the lower sheaves for the halyards and spinnaker boom uphaul / downhaul.”

## **Rule F.2.7**

## INTERNATIONAL 420 CLASS ASSOCIATION



**Amendment:** Re-number as appropriate

Add: "All the longitudinal measurements shall be carried out from the Mast Datum Point. For this purpose, the Mast Datum Point (MDP) is located at the mast heel point."

Table to read as follows:

	minimum	Maximum
Mast Length		6260 mm
Fore and aft Mast Cross Section between 1550 mm and 4500 mm from the MDP	50 mm	75 mm
Transverse Mast Cross Section within 4500 mm from MDP	45 mm	75 mm
Mast Sail limit marks width	10 mm	
Lower Point height (from the MDP)	1160 mm	
Upper Point height (from the MDP)		6060 mm
Headsail Hoist Height	4520 mm	(see F.2.6.5)
Spinnaker Hoist Height		4650 mm
Shrouds, forestay and trapeze heights	4550 mm	4650 mm
Spreaders height	2550 mm	2650 mm

### Rule F.2.8

**Amendment:** Change to read as follows:

"The mast weight, with fittings specified in:

F.2.6 without the tensioning system mentioned in F.2.5.12 and the rope mentioned in F.2.5.13

And:

F.5.1 without the elastic cord and the four fairleads stated in F.5.1.2 and with the length of elastic at the level of the spreaders as stated in F.5.1.2

Shall have minimum weight of 7.5 kg"

### Rule F.2.9

**Amendment:** Change to read as follows:

"The centre of gravity of the mast, including fittings and rigging listed in F.2.8 with the shrouds, forestay, trapeze wires and halyards secured along the mast, shall be at 2400 mm minimum from the Mast Datum Point. For the measurement, the halyards shall be hoisted and the halyard tails outside the mast shall be kept in hand by the measurer."

### Rule F.5.1.2

**Amendment:** Add "one rope" after "elastic cord". The fourth sentence should read: "The two trapezes shall be connected to the boat by elastic cord with a maximum of four fairleads (as stated in D.5.2.8). In the fifth sentence add "elastic" after "a length of".

# INTERNATIONAL 420 CLASS ASSOCIATION



## **Rule G.1.1**

**Amendment:** Add “2001-2004” to end of sentence.

## **G.4.1.1**

**Amendment:** Add after the first sentence: “The leech shall not extend beyond a straight line between the aft head point and the clew point (i.e. shall not be convex).” (This rule was in the 2002 Class Rules and was omitted in the 2003 class rules file)

## **G.5.1.4**

**Amendment:** Add “sail button” to the end of the sentence.

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