

## **CLASS RULE CHANGES**

### **International 2.4 Metre Class**

The following amendments to the Class Rules have been approved to be effective 1<sup>st</sup> March 2002.

#### **Rule 1.2.2**

**Amendment:** Rule 1.2.2

Insert a spacing between " ISAF" and " which "

#### **Rule 1.4.4 (g).**

**Amendment:**

Rule 2.3.1 ISAF Plaque. Boats built before 1<sup>st</sup> of March 1993 may have a plaque issued by National Authority (NA). Boats built after 1<sup>st</sup> of March 1993 and before the ISAF Plaques were available may have a plaque issued by the Scandinavian Sailing Federation

#### **Rule 2.5.2**

**Amendment:** Change to "letters"

#### **Rule 3.6**

**Amendment:**

Delete the last sentence and insert:

If fresh water with a specific gravity of 1.000 the extra internal 35 kg and the distance 100mm shall be recalculated according to physical laws. See Appendix A

#### **Rule 3.12.2.1**

**Amendment:** The rated area of a mainsail is:

$0.5 \times P \times E$ , where

P = the distance between the upper and lower measurement bands on the mast

E = the distance from the inner edge of the boom measurement band to the aft side of the mast

#### **Rule 3.12.2.4**

**Amendment:**

Delete the last line and insert:

E is the measure defined in 3.12.2.1

### **Rule 3.12.3.1**

**New:** Change to:

The rated area of the fore-triangle is:

$0.5 \times 0.85 \times I \times J$ , where

- I = the height of the fore-triangle measured from the measurement point to the highest point of:
- (a) the intersection of the line of the aft side of the forestay with the fore-side of the mast
  - (b) the intersection of the line of the forward side of the headfoil into which the luff of a headsail is fitted, with the fore-side of the mast
  - (c) bottom of the groove of the jib sheave where the halyard leaves the mast

I shall not exceed 3750mm

J = the base of the fore-triangle measured from the fore-side of the mast to whichever gives the greater measurement:

- (a) the intersection of the line of the aft side of the forestay with the deck
- the intersection of the line of the fore-side of the headfoil with the deck

### **Rule 3.12.4**

**Amendment:**

3.12.4.1 RRS 50.4 shall not apply

3.12.4.2 Battens in the headsail are not permitted when the foot length exceeds 95% of the J measurement.

3.12.4.3 For the headsail without battens the following measurements shall not exceed:

Foot	110% of J
Three-quarter width	28% of J
Half width	53% of J
Top width	40mm

3.12.4.4 For the headsail with battens the following measurements shall not exceed:

Number of battens	3
Foot	95% of J
Batten length	400mm
Three-quarter width	30% of J
Half width	54.5% of J
Top width	40mm

The battens shall not be positioned closer to the head point or the clew than 700mm.

### **Rule 3.12.5**

**Amendment:**

The Class Insignia shall conform to the diagram, see Appendix B, with the following nominal dimensions. Sail measured before 1/3/00 shall be grand fathered. As an alteration to RRS Appendix H 1.3 the Insignia may be placed on the starboard side only.

Height of insignia	220mm
Width of insignia	520mm
Width of figures	200mm
Thickness of figures	40mm
Thickness of line	40mm
Diameter of point	55mm
Space between line and figures	10mm

Insert a new diagram that conforms to the Insignia as Appendix B. Delete the current figure in 3.12.5

Change "National letter(s)" to "National letters"

#### **Rule 5.5**

**Amendment:** Delete the clause

#### **Rule 6.1.2**

**Amendment:**

	Athwartships		Fore and aft
	Min	max	min
At the upper measurement band	24	66	28
From the measurement point to a point 3500mm above the measurement point	38	66	56

#### **Rule 7.3**

**Amendment:** Change "is" to "it"

#### **Rule 8.1.1**

**Amendment:**

When the displacement is checked the boat shall be in racing condition. The lower edges of the immersion marks shall be at the water level with the equipment given in 8.1.2 and 8.1.3 stowed in its normal position, and with:

- (a) an extra internal 35kg lead ballast placed within 100mm from 0.55 x LWL from the bow station.

Delete (b)

#### **Rule 8.1.2 (e) and (f)**

**Amendment:** (e) One manual bilge pump  
(f) Deleted and moved to 8.7

#### **New Rule 8.1.3**

**Amendment:**

- 8.1.3 The following equipment shall be on board when measuring only if this will be on board when racing:

- a) An electrical bilge pump including battery
- b) An anchor according to 8.3

**Rule 8.3**

**Amendment:** 8.3 Anchor

**Rule 8.5**

**Amendment:** Advertising shall be in accordance with RRS category C without restrictions.

**Rule 8.1.2 (f)**

**Amendment:** 8.7 Towing arrangement

A suitable fitting or system to enable the boat to be towed shall be installed in the bow area. The fitting/system shall be easy to access by rescue craft. The fitting/system shall be able to handle line of at least 5mm in diameter.

**New Rule 8.8**

**Amendment:** 8.8 Hand craft

RRS Rule 52 shall not apply

## New Appendix:

New:

# APPENDIX A

## Checking the water line marks in other water than salt water with specific gravity 1,025

When checking the marks the extra lead ballast of 35 kg shall be replaced by another lead ballast with a different weight. This weight and the distance e from the 0,55L station can be defined accordingly

Boat weight	Q kg
Displacement	D liters
<i>Salt water</i>	
Lead ballast	$\Delta Q_0 = 35 \text{ kg}$
Total weight	$Q_{t0} = Q + \Delta Q_0 = Q + 35$
Specific gravity of water	$\rho_0 = 1,025$
Distance from 0.55L	$e_0 = 100 \text{ mm}$

<i>Actual water</i>	
Lead ballast	$\Delta Q_1$
Total weight	$Q_{t1} = Q + \Delta Q_1$
Specific gravity of water	$\rho_1$
Distance from 0.55L	$e_1$

$$D \cdot \rho_0 = Q_{t0} = Q + \Delta Q_0 ;$$

$$D \cdot \rho_1 = Q_{t1} = Q + \Delta Q_1 ;$$

$$\Delta Q_1 = Q (\rho_1 / \rho_0 - 1) + \Delta Q_0 \cdot \rho_1 / \rho_0 ;$$

$$e_1 = e_0 \cdot \Delta Q_0 / \Delta Q_1$$

For fresh water with  $\rho_1 = 1.000$  will give

$$\Delta Q_1 = 35 / 1,025 - 0,025 \cdot Q / 1,025$$

For a Norlin mark III normally  $Q = 259 \text{ kg}$ , will give  $\Delta Q_1 = 27,8 \text{ kg}$  and  $e_1 = 126 \text{ mm}$

**New Appendix**

**New:** Appendix B, Class Insignia (see separate page)

**APPENDIX B, CLASS INSIGNIA, scale 1:2**

