

# INTERNATIONAL ONE METRE CLASS

2012

## CERTIFICATION CONTROL - CHECK LIST FORM

**RIGS AND SAILS MEASURED**    1       2       3    (circle, or cross out as appropriate)

Hull Registration Number ..... Certification Control Date .....

Owner ..... Official Measurer .....

Address .....

.....

Phone number .....

Email .....@.....

**GENERAL NOTE TO OFFICIAL MEASURERS** This form is for your guidance in the measuring for **certification** process.

1 **Certification Control** shall be carried out in accordance with the **Equipment Rules of Sailing** except where varied by the **class rules**.

2 The **rig** and **sails** shall comply with all the **class rules** in Sections D, E, F, G and H even if some of the rules are not mentioned on this form.

3 Check boxes if the measurement complies. Complete the **Certification Control Form** only if all items comply with the **class rules**

4. Retain this form for your records on completion of **Certification Control Form**.

### PARTS

1. F.1.1 Individual **rigs** comprise only of: one **mast**, one **mainsail boom**, one **headsail boom**, **standing rigging**, **running rigging** and fittings.

### GENERAL

2. F.2.3 All parts of the **rig** function in a way that is normal for items of their type.

3. F.2.4(c) The use of any ball or roller bearings is limited to: kicking strap fitting, gooseneck, **mainsail boom sheet** blocks, **headsail boom sheet** blocks, **headsail boom** swivel.

### MAST

4. F.3.1(a) The principal material of the **spar** is aluminium alloy or wood

5. F.3.1(b) Any other materials on the **spar** are limited to: adhesive, anodising, paint, powder coat, varnish, wax.

6. F.3.2(b) The **spar** section between **upper point** and **lower point** is of circular outer shape and constant except for internal **sail** track, local cutaways, openings for fittings and/or **rigging**, internal and/or external **spar** joiners.

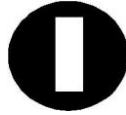
7. F.3.3(a) The fittings listed in class rule F.3.3(a) are present. These are: **Mainsail Halyard(s)** fitting(s) or opening(s), **Shroud** Fitting(s) and / or opening(s), Gooseneck, Kicking strap fitting

8. F.3.3 Other fittings are limited to items listed in class rules F.3.3(a) & (b). These are: Wind indicator and / or its fitting, **Backstay** crane and its fitting, **headsail stay** fitting and / or opening, **headsail halyard** fitting and / or opening, pair of **spreaders** and their fittings and / or openings, **Mast spar** rings and / or loops to attach **mainsail luff** to the **spar**, **Mainsail** jackstay fittings, **Mainsail tack** fittings, **mast** strut and its fitting, **checkstay** fittings, deck fitting, heel fitting with or without **mast** jack, added weights

9. F.3.3(c)(2) The **mainsail boom spar** and the kicking strap have pivot points aft of the **mast spar** in the regions adjacent to these points.

10. F.3.4 The **lower point** to **upper point** dimension is correct.

**Rig 1** 1 600 mm max    **Rig 2** 1 180 mm max    **Rig 3** 880 mm max



11. F.3.4 The lower edge of the **headsail stay limit mark** at the foreside of the **spar** to the **upper point** dimension is correct

**Rig 1** 220 mm min.

**Rig 2** 160 mm min.

**Rig 3** 120 mm min.

12. F.3.4 If there are **check stays**, their **rigging point** is equal to, or less than, 100 mm above the **mast heel** point
13. F.3.4 Between **lower point** and **upper point**:  
(1) The diameter of the **spar** is 10.6 mm or greater.  
(2) The difference between the largest and smallest diameters of the **spar** is less than 0.3 mm.
14. F.3.4 The length of any **spar** joiner is equal to, or less than 100 mm.
15. F.3.4 The total length of cutaways between the **lower point** and **upper point** is equal to, or less than, 100 mm.
16. F.3.4 The width of all **limit marks** is between 3 and 10 mm.

### BOOMS

17. F.4.1(a) The principal material of the **spars** is aluminium alloy or wood.
18. F.4.1(b) Other materials on the **spars** are limited to: adhesive, anodising, paint, powder coat, varnish, wax.
19. F.4.2 The section of **spars** is constant except for the last 10 mm at each end and at openings for fittings and **rigging**.
20. F.4.3(a) **Mainsail boom.** The fittings listed in class rules F.4.3(a) are present. These are: **mainsail tack** fitting(s), **mainsail boom sheet** fittings, kicking strap fitting.
21. F.4.3(b) **Mainsail boom.** The fittings listed in class rule F.4.3b may be present: These are: **Mainsail tack** fitting(s), Gooseneck fitting, opening(s) for **mainsail boom sheet** fitting.
22. F.4.4(a) **Headsail boom.** The fittings listed in class rule F.4.4(a) are present.. These are: **Headsail tack** and **clew** fittings, **headsail boom sheet** fittings, Swivel and / or its fitting(s).
23. F.4.4(b) **Headsail boom.** The fittings listed in class rule F.4.4(b) may be present. These are **headsail stay** fitting(s), topping lift fitting(s) or opening, counterweight and its attachment, openings for **headsail boom sheet** fitting
24. F.4.5 Ignoring the last 10 mm at each end and openings for fittings and **rigging**, the largest external dimension is equal to, or less than, 20 mm.
25. F.4.5 The difference between the smallest and largest value along the **spar** of any external dimension is equal to, or less than, 0.5 mm

### STANDING RIGGING

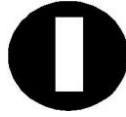
26. F.5.1 Except for terminations and the **headsail boom** swivel, materials are limited to steel and/or polymer.
27. F.5.2(a) The **standing rigging** items listed in class rule F.5.2(a) are present. These are: a pair of **shrouds**, **backstay** and **headsail boom** swivel.
28. F.5.2 / 3 Any other **standing rigging** is limited to items listed in class rules F.5.2 and F.5.3. These are a pair of **checkstays** or a **mast** strut, a **headsail stay** less than 1mm diameter, a **mast spar** jackstay less than 1mm diameter.

### RUNNING RIGGING

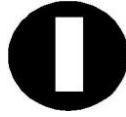
29. F.6.2(a) The **running rigging** items listed in class rule F.6.2(a) are present. These are **mainsail boom sheet**, **mainsail boom** kicking strap, **headsail halyard** if **headsail stay** is not fitted, and **headsail boom sheet**.
30. F.6.2(b)/3 Any other **running rigging** is limited to items listed in class rules F.6.2 and F.6.3. These are **mainsail halyards**, **Main sail clew** trim line, **mainsail tack** trim line, **headsail halyard(s)** **headsail clew** trim line, **headsail tack** trim line, **headsail boom** topping lift, **headsail boom** topping lift restraint line, terminations, length and tension adjustments, **mainsail boom sheet** blocks and **headsail boom sheet** blocks.

### MAINSAILS

31. G.2.2(b) If the **sails** have been **certificated** by a manufacturer awarded a special license, then omit steps 32 to 60.



32. G.3.1(a)(1) All **sails** are **soft sails** and **single ply sails**.
33. G.3.1(a)(2) The body of the **sail** consists of the same **ply** throughout and not more than four parts joined by **seams**.
34. G.3.1(a)(3) If the sail has **seams**, the **seams** deviate by 10 mm or less from a straight line between **luff** and **leech**.
35. G.3.1(a)(4) Each **sail** has three **battens**, or 20 mm, minimum, lines marked on the **leech** if there are no **battens** at the **leech**.
36. G.3.1(a)(5) Except within the **leech** stiffening zone, the **leech** is a straight line or is within a straight line between: adjacent **batten points**, **aft head point** and **clew point** and their nearest **batten** points.
37. G.3.1(a)(6) The **foot** is a straight line, or is within a straight line, between **tack point** and **clew point**.
38. G.3.1(a)(7) The class insignia is present.
39. G.3.1(b) All parts are limited to items listed in class rule G.3.1(b). These are: **tabling**, one or two cringles or openings at the **head**, one cringle or opening at each of the **clew** and **tack**, **luff** openings for **mast spar** rings and / or loops for **mast spar** jackstay fittings, **luff** bolt rope, **luff** track slides, **luff** fittings for **mast spar** rings and / or loops, **luff** fittings for **mast spar** jackstay, **primary** and **secondary reinforcement** as defined in G.3.3, **primary reinforcement** or **stiffening** within the **leech** stiffening zones as defined by templates in H.3, tell tales, three, or less, **sail** indicator stripes applied using paint or ink, sailmaker's label.
40. G.3.2(a) The parts of the **sails** joined or added using only welding; gluing; bonding with self- adhesive tapes/materials; stitching.
41. G.3.2(b) If the sail has **seams**, except for stitching, the method used to join the **seams** is limited by the edges of the **seam**.
42. G.3.3 The upper **batten** is equal to, or less than, 10 mm wide x 75 mm long.
43. G.3.3 The other **battens** are equal to, or less than, 10 mm wide x 100 mm long.
- G.3.3 The following **primary sail dimensions** within the permitted ranges -
- |                              |                            |                               |                               |                           |
|------------------------------|----------------------------|-------------------------------|-------------------------------|---------------------------|
| <input type="checkbox"/> 44. | <b>Leech Length</b>        | <b>Rig 1</b> 1 610 - 1 620 mm | <b>Rig 2</b> 1 200 - 1 210 mm | <b>Rig 3</b> 910 - 920 mm |
| <input type="checkbox"/> 45. | <b>Foot Length</b>         | <b>Rig 1</b> 350 - 360 mm     | <b>Rig 2</b> 340 - 350 mm     | <b>Rig 3</b> 310 - 320 mm |
| <input type="checkbox"/> 46. | <b>Quarter Width</b>       | <b>Rig 1</b> 305-315 mm       | <b>Rig 2</b> 295-305 mm       | <b>Rig 3</b> 265-275 mm   |
| <input type="checkbox"/> 47. | <b>Half Width</b>          | <b>Rig 1</b> 235-245 mm       | <b>Rig 2</b> 225-235 mm       | <b>Rig 3</b> 205-215 mm   |
| <input type="checkbox"/> 48. | <b>Three Quarter Width</b> | <b>Rig 1</b> 135-145 mm       | <b>Rig 2</b> 130-140 mm       | <b>Rig 3</b> 115-125 mm   |
49. The **Top width** is equal to, or less than, 20 mm.
50. The **primary & secondary reinforcement** is equal to, or less than, 125 mm from the nearest **sail corner measurement point**.
51. Any **secondary reinforcement** for any **flutter patches** is equal to, or less than, 50 mm.
52. **Secondary reinforcement** at **luff** fittings, **luff** slides and/or **luff** openings is equal to, or less than, 20 mm.
53. Any **tabling** is equal to, or less than, 15 mm in **width**.
54. **Seams**, if any, are equal to, or less than, 15 mm in width.
55. **Seams**, if any, are equal to, or more than, 150 mm from **sail corner measurement points**.
56. **Batten** points as in G.2.4, are within 20 mm of the nearest **leech** point.
57. Any cringle dimension is equal to, or less than, 10 mm.
58. Except for **luff** slides the largest **luff** fitting dimension is equal to, or less than, 10mm.
59. Any **Sail** shape indicator stripes are equal to, or less than, 30 mm in width.



60. H.3.3 The **leech** stiffening zones on all **mainsails** comply with H.3.2 and H.3.3.

#### HEADSAILS

61. G.2.2 (b) If the **sails** have been certificated by a manufacturer awarded a special licence, omit steps 62 to 86.
62. G.4.1(a)(1) All sails are **soft sails** and **single ply sails**.
63. G.4.1(a)(2) The body of the **sail** consists of the same **ply** throughout and not more than three parts joined by **seams**.
64. G.4.1(a)(3) If there are **seams**, the **seams** deviate by 10 mm or less from a straight line between **luff** and **leech**.
65. G.4.1(a)(4) Except within the **leech** stiffening zones, the **leech** is within a straight line between the **aft head point** and **clew point**.
66. G.4.1(a)(5) The **foot** is a straight line, or within a straight line, between **tack point** and **clew point**.
67. G.4.1(b) All parts are limited to items listed in class rule G.4.1(b). These are: **Tabling** which at the **luff** may form a pocket for a **headsail stay**, one or two cringle openings at the **head**, one cringle and /or openings at each of the **clew** and **tack**, **headsail stay** slides and or loops, **primary reinforcement** and **secondary reinforcement** specified at (G.4.3), two battens or less at the **leech**, **primary reinforcement and/ or stiffening** within the **leech** stiffening zones, tell tales, two or less **sail** shape indicator strips, sailmakers labels.
68. G.4.2(a) The parts of the **sails** are joined or added to using only welding; gluing, bonding with self- adhesive tapes / materials, stitching.
69. G.4.2(b) If the **sail** has **seams**, except for stitching, the method used to join the **seams** is limited by the edges of the **seams**
70. G.4.3 If there are **battens**, they are equal to, or less than, 10 mm wide x 75 mm long
- G.4.3 The following **sail** dimensions are within the permitted ranges -
- |                              |  |                            |                        |                        |
|------------------------------|--|----------------------------|------------------------|------------------------|
| <input type="checkbox"/> 71. | <b>Luff Length</b>                             | <b>Rig 1</b> 1 320-1 330mm | <b>Rig 2</b> 980-990mm | <b>Rig 3</b> 730-740mm |
| <input type="checkbox"/> 72. | <b>Leech Length</b>                            | <b>Rig 1</b> 1 245-1 255mm | <b>Rig 2</b> 900-910mm | <b>Rig 3</b> 655-665mm |
| <input type="checkbox"/> 73. | <b>Foot Length</b>                             | <b>Rig 1</b> 375-385mm     | <b>Rig 2</b> 340-350mm | <b>Rig 3</b> 290-300mm |
| <input type="checkbox"/> 74. | <b>Half Width</b>                              | <b>Rig 1</b> 185-195mm     | <b>Rig 2</b> 165-175mm | <b>Rig 3</b> 140-150mm |
| <input type="checkbox"/> 75. | <b>Clew point</b> to lower <b>batten</b> point | <b>Rig 1</b> 400-430mm     | <b>Rig 2</b> 285-315mm | <b>Rig 3</b> 205-235mm |
| <input type="checkbox"/> 76. | <b>Clew point</b> to upper <b>batten</b> point | <b>Rig 1</b> 820-850mm     | <b>Rig 2</b> 590-620mm | <b>Rig 3</b> 425-455mm |
77. G.4.3 The **Top width** is equal to, or less than, 20 mm.
78. The **primary & secondary reinforcement** is equal to, or less than, 125 mm from the nearest **sail corner measurement point**.
79. Any **secondary reinforcement** for any **flutter patches** is equal to, or less than, 50 mm.
80. If there is **secondary reinforcement** at **headsail stay** slides and/or loops, it is equal to, or less than, 20 mm.
81. Any **tabling** is equal to, or less than, 15mm, in **width**.
82. **Seams**, if any, are equal to, or less than, 15 mm, in width.
83. **Seams**, if any, are equal to, or more than, 100 mm from **sail corner measurement points**.
84. Any cringle dimension is equal to, or less than, 10 mm.
85. Any **Sail** shape indicator stripes are equal to, or less than, 30 mm in width.
86. H.3.3 The **leech** stiffening zones on all head **sails** comply with H.3.2 and H.3.3