INTERNATIONAL ONE METRE CLASS 2016

RIGS AND SAILS CERTIFICATION MEASUREMENT - CHECK LIST FORM

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

Hull Registration Number..... **Certification Measurement** Date.....

Official Measurer.....

GENERAL NOTE TO OFFICIAL MEASURERS This form is for your guidance in the measuring for certification. It is NOT required to be sent to the certification authority and may be retained by the owner or official measurer.

1 **Certification Measuring** 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 **class rules** in Sections **F, G and H** even if some of the rules are not mentioned on this form.

3 Complete the **Certification Measurement** Form only if all items comply with the **class rules**.

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.

☐ 4. F.2.4(d) Perpendicular to the axis of rotation, any non-circular component of a kicking strap, or gooseneck, has a cross section of 20 mm or less

MAST

☐ **4**. F.3.1(a) The principal material of the **spar** is either a specified 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 in cross section except for internal **sail** track, local cutaways, openings for fittings and/or **rigging**, internal and/or external **spar** joiners.

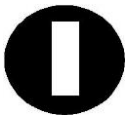
☐ **7**. F.3.3(a) The fittings listed in class rule F.3.3(a) are present. These are: **Mainsail Halyard**(s) fitting(s) or opening(s**), Shroud** Fitting(s) and / or opening(s), Gooseneck, Kicking strap fitting.

☐ **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**. F3.4. 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 equal to or** 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 / 2.4(c) The width of all **limit marks** is between 3 and 10 mm and applied by either paint or self adhesive tape.

BOOMS

☐ **17**. F.4.1(a) The principal material of the **spars** is a specified 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 clew** 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.** F4.4(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 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.

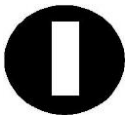
RUNNING RIGGING

☐ **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**, **Mainsail clew** trim line, **mainsail tack** trim line, **headsail halyard**(s) **headsail clew** trim line, **headsail tack** trim line, **headsail boom** topping lift, **headsail boom** toping lift restraint line(s), terminations, length and tension adjustments, **mainsail boom sheet** blocks, **headsail boom sheet** blocks and wind indicator attached to the backstay.

MAINSAILS

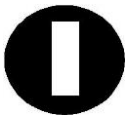
☐ **31**. G.2.2(b) If the **sails** have been **certificated** by a manufacturer awarded a special license, then omit steps 32 to 60.



☐	**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	If there are battens, the upper batten is equal to, or less than, 10 mm wide x 75 mm long.
☐	**43**.	G.3.3	If there are battens, the other battens are equal to, or less than, 10 mm wide x 100 mm long.
		G.3.3	The following **primary sail dimensions** are within the permitted ranges -

☐	**44**.	**Leech Length**	**Rig 1** 1 610 - 1 620 mm	**Rig 2** 1 200 - 1 210 mm	**Rig 3** 910 - 920 mm
☐	**45**.	**Foot Length**	**Rig 1** 350 - 360 mm	**Rig 2** 340 - 350 mm	**Rig 3** 310 - 320 mm
☐	**46**.	**Quarter Width**	**Rig 1** 305-315 mm	**Rig 2** 295-305 mm	**Rig 3** 265-275 mm
☐	**47**.	**Half Width**	**Rig 1** 235-245 mm	**Rig 2** 225-235 mm	**Rig 3** 205-215 mm
☐	**48**.	**Three Quarter Width**	**Rig 1** 135-145 mm	**Rig 2** 130-140 mm	**Rig 3** 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**.	G.3.1(b)(13)	Three, or less, **sail** shape indicator stripes are each equal to 30 mm, or less, in width each and applied by either paint or ink..
☐	**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 optional 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 -
☐	**71**.	**Luff Length** **Rig 1** 1 320-1 330mm **Rig 2** 980-990mm **Rig 3** 730-740mm
☐	**72**.	**Leech Length** **Rig 1** 1 245-1 255mm **Rig 2** 900-910mm **Rig 3** 655-665mm
☐	**73**.	**Foot Length** **Rig 1** 375-385mm **Rig 2** 340-350mm **Rig 3** 290-300mm
☐	**74**.	**Half Width** **Rig 1** 185-195mm **Rig 2** 165-175mm **Rig 3** 140-150mm
☐	**75**.	**Clew point** to lower **batten** point **Rig 1** 400-430mm **Rig 2** 285-315mm **Rig 3** 205-235mm
☐	**76**.	**Clew point** to upper **batten** point **Rig 1** 820-850mm **Rig 2** 590-620mm **Rig 3** 425-455mm
☐	**77**.	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**. G.4.1(b)(10)	Two, or less, **Sail** shape indicator stripes are each equal to, or less than, 30 mm in width and applied by either paint or ink.
☐	**86.** H.3.3	The **leech** stiffening zones on all head **sails** comply with H.3.2 and H.3.3

If a **sail** complies in all respects with the checks on this Certification Measurement Form – Check List then the **Official Measurer** shall sign, or stamp, and date the sail.