INTERNATIONAL ONE METRE CLASS 2017
RIGS AND SAILS CERTIFICATION CONTROL - CHECK LIST FORM
RIGS AND SAILS CONTROLLED 1 2 3 (circle, or cross out as appropriate)

Hull Registration Number..... **Certification Control** Date…….....

Official Measurer.....

GENERAL NOTE TO **OFFICIAL MEASURERS** This form is for your guidance in the control 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 control** shall be carried out in accordance with the current **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 Check boxes only if the control complies with the statement. Complete the **Certification Control** Form only if all items comply with the **class rules**. Consult your **Certification Authority** if there are any questionable items.

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

☐ 5. F.3.1(a) The principal material of the **spar** (excluding its fittings and any **corrector weights**) is either a specified aluminium alloy, or wood

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

☐ 7. F.3.2(b) The **spar** section (excluding its fittings and any **corrector weights**) 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.

☐ 8. 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 and kicking strap fitting.

☐ 9. F.3.3(b) Other fittings are limited to items listed in class rules F.3.3(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, **corrector weights**.

☐ 10. F.3.3(c)(2) The **mainsail boom spar** (excluding its fittings and any **corrector weights**) and the kicking strap have pivot points aft of the **mast spar** (excluding its fittings and any **corrector weights**) in the regions adjacent to these points.

☐ 11. F.3.4 The **lower point** to **upper point** dimension is correct:
Mast 1: 1600 mm max **Mast** 2: 1180 mm max **Mast** 3: 880 mm max

☐ 12. 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:
Mast 1: 220 mm min. **Mast** 2: 160 mm min. **Mast** 3: 120 mm min

☐ 13. F.3.4 If there are **checkstays**, their **rigging point** is equal to, or less than, 100 mm above the **mast heel** point

☐ 14.	F.3.4	Between **lower point** and **upper point**: (1) The diameter of the **spar** (excluding its fittings and any **corrector weights**) is 10.6 mm or greater. (2) The difference between the largest and smallest diameters of the **spar** (excluding its fittings and any **corrector weights**) is equal to or less than 0.3 mm.
☐ 15.	F.3.4	The length of any **spar** joiner is equal to, or less than, 100 mm.
☐ 16.	F.3.4	The total length of cutaways between the **lower point** and **upper point** is equal to, or less than, 100 mm.
☐ 17.	F.3.4/ F.3.2(d)	The width of all **limit marks** is between 3 and 10 mm and applied by either paint or self adhesive tape.

BOOMS

☐ 18.	F.4.1(a)	The principal material of the **spars** (excluding their fittings and any **corrector weights**) is a specified aluminium alloy or wood.
☐ 19.	F.4.1(b)	Other materials on the structural part of the **spars** are limited to: adhesive, anodising, paint, powder coat, varnish, wax.
☐ 20.	F.4.2	The section of **spars** (excluding their fittings) is constant except for the last 10 mm at each end and at openings for fittings and **rigging**.
☐ 21.	F.4.3(a)	**Mainsail boom**. The fittings listed in **class rule** F.4.3(a) are present. These are: **mainsail clew** fitting(s), **mainsail boom sheet** fittings, kicking strap fitting.
☐ 22.	F.4.3(a)	**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.
☐ 23.	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).
☐ 24.	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.
☐ 25.	F.4.5	Ignoring the last 10 mm at each end of the **spars** (excluding their fittings) and openings for fittings and **rigging**, the largest external dimension of the **spars** (excluding their fittings**)** is equal to, or less than, 20 mm.
☐ 26.	F.4.5	The difference between the smallest and largest value along the **spars** (excluding their fittings) of any external dimension is equal to, or less than, 0.5 mm.
☐ 27.	F.4.5	For aluminium **spars** (excluding their fittings), the difference between the largest and smallest value along the **spars** (excluding their fittings) of any wall thickness dimension is equal to, or less than, 0.1 mm.
☐ 28.	F.4.5	**Boom spar curvature** measured between points on the top of **spars** (excluding their fittings) 10 mm from each ends is equal to, or less than 3 mm.

STANDING RIGGING

☐ 29.	F.5.1	Except for terminations and the **headsail boom** swivel, materials are limited to steel and/or polymer.
☐ 30.	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.
☐ 31.	F.5.2/ F.5.3	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

☐ 32.	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**.
☐ 33.	F.6.2(b)/ F.6.3	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**.

MAINSAIL

☐	34.	G.2.2(b)	If the **sails** have been **certificated** by a manufacturer awarded a special license, then omit steps 35 to 64.
☐	35.	G.3.1(a)(1)	All **sails** are **soft sails** and **single ply sails**.
☐	36.	G.3.1(a)(2)	The **body of the sail** consists of the same **ply** throughout.
☐	37.	G.3.1(a)(3)	Each **sail** has three battens at the **leech** or 20 mm minimum lines marked on the **leech** if there are no battens.
☐	38.	G.3.1(a)(4)	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.
☐	39.	G.3.1(a)(5)	The **foot** is a straight line, or is within a straight line, between **tack point** and **clew point**.
☐	40.	G.3.1(a)(6)	The class insignia as shown in H.1 is present.
☐	41.	G.3.1(b)	All parts are limited to items listed in class rule G.3.1(b). These are: **tabling** which at the **luff** may form a pocket for a **mast spar** jackstay , 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.
☐	42.	G.3.2(a)(1)	Number of parts in panelled **sail**, joined by the **seams** deviate by 10 mm or less from a straight line between **luff** and **leech**, is two, three or four.
☐	43.	G.3.2(a)(1)	If the **sail** has **seams**, except for stitching, the **seam width** shall include the joining technique used to join the **seams**.
☐	44.	G.3.2(b)	The parts of the **sails** are joined or added as permitted in G.3.1 and G.3.2 using only welding; gluing, bonding with self-adhesive tapes/materials, stitching.
☐	45.	G.3.3	If there are battens, the upper batten is equal to, or less than, 10 mm wide x 75 mm long.
☐	46.	G.3.3	If there are battens, the other battens are equal to, or less than, 10 mm wide x 100 mm long.
	47.		The following **sail** dimensions are within the permitted ranges:

☐	48.	**Leech Length**	**Mainsail** 1	1610 - 1 620 mm	**Mainsail** 2	1200 - 1210 mm	**Mainsail** 3 910 - 920 mm
☐	49.	**Foot Length**	**Mainsail** 1	350 - 360 mm	**Mainsail** 2	340 - 350 mm	**Mainsail** 3 310 - 320 mm
☐	50.	**Quarter Width**	**Mainsail** 1	305-315 mm	**Mainsail** 2	295-305 mm	**Mainsail** 3 265-275 mm
☐	51.	**Half Width**	**Mainsail** 1	235-245 mm	**Mainsail** 2	225-235 mm	**Mainsail** 3 205-215 mm
☐	52.	**Three Quarter Width**	**Mainsail** 1	135-145 mm	**Mainsail** 2	130-140 mm	**Mainsail** 3 115-125 mm

☐	53.	The **top width** is equal to, or less than, 20 mm.
☐	54.	The **primary** & **secondary reinforcement** is equal to, or less than, 125 mm from the nearest **sail corner measurement point**.
☐	55.	Any **secondary reinforcement** for any **flutter patches** is equal to, or less than, 50 mm.

☐	56.		**Secondary reinforcement** at **luff** fittings, **luff** slides and/or **luff** openings is equal to, or less than, 20 mm.
☐	57.		Any **tabling** is equal to, or less than, 15 mm in width.
☐	58.		**Seams**, if any, are equal to, or less than, 15 mm in width.
☐	59.		**Seams**, if any, are equal to, or more than, 150 mm from **sail corner measurement points**.
☐	60.		Batten points as in G.2.4, are within 20 mm of the nearest **leech** point.
☐	61.		Any cringle dimension is equal to, or less than, 10 mm.
☐	62.		Except for **luff** slides the largest **luff** fitting dimension is equal to, or less than, 10mm.
☐	63.	G.3.2(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.
☐	64.	H.3.3	The **leech** stiffening zones comply with H.3.2 and H.3.3.

HEADSAIL

☐	65.	G.2.2(b)	If the **sails** have been **certificated** by a manufacturer awarded a special license, then omit steps 66 to 92.
☐	66.	G.4.1(a)(1)	All **sails** are **soft sails** and **single ply sails**.
☐	67.	G.4.1(a)(2)	The **body of the sail** consists of the same **ply** throughout.
☐	68.	G.4.1(a)(3)	Except within the **leech** stiffening zones, the **leech** is within a straight line between the **aft head point** and **clew** point.
☐	69.	G.4.1(a)(4)	The **foot** is a straight line, or is within a straight line, between **tack point** and **clew point**.
☐	70.	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.
☐	71.	G.4.2(a)(1)	Number of parts in panelled **sail**, joined by the **seams** deviate by 10 mm or less from a straight line between **luff** and **leech**, is two or three.
☐	72.	G.4.2(a)(1)	If the **sail** has **seams**, except for stitching, the **seam width** shall include the joining technique used to join the **seams**.
☐	73.	G.4.2(b)	The parts of the **sails** are joined or added as permitted in G.4.1 and G.4.2 using only welding; gluing, bonding with self-adhesive tapes/materials, stitching.
☐	74.	G.3.3	If there are battens, they are equal to, or less than, 10 mm wide x 75 mm long.

The following **sail** dimensions are within the permitted ranges:

☐ 75.		**Luff Length**	**Headsail** 1 1320-1 330mm	**Headsail** 2 980-990mm	**Headsail** 3 730-740mm
☐ 76.		**Leech Length**	**Headsail** 1 1245-1 255mm	**Headsail** 2 900-910mm	**Headsail** 3 655-665mm
☐ 77.		**Foot Length**	**Headsail** 1 375-385mm	**Headsail** 2 340-350mm	**Headsail** 3 290-300mm
☐ 78.		**Half Width**	**Headsail** 1 185-195mm	**Headsail** 2 165-175mm	**Headsail** 3 140-150mm
☐ 79.		**Clew point** to lower batten point	**Headsail** 1 400-430mm	**Headsail** 2 285-315mm	**Headsail** 3 205-235mm
☐ 80.		**Clew point** to upper batten point	**Headsail** 1 820-850mm	**Headsail** 2 590-620mm	**Headsail** 3 425-455mm

☐ 81. The **top width** is equal to, or less than, 20 mm.

☐ 82. The **primary** & **secondary reinforcement** is equal to, or less than, 125 mm from the nearest **sail corner measurement point**.

☐ 83. Any **secondary reinforcement** for any **flutter patches** is equal to, or less than, 50 mm.

☐ 84. If there is **secondary reinforcement** at **headsail stay** slides and/or loops, it is equal to, or less than, 20 mm.

☐ 85. Any **tabling** is equal to, or less than, 15 mm in width.

☐ 86. **Seams**, if any, are equal to, or less than, 15 mm in width.

☐ 87. **Seams**, if any, are equal to, or more than, 100 mm from **sail corner measurement points**.

☐ 88. Batten points as in G.2.4, are within 20 mm of the nearest **leech** point.

☐ 89. Any cringle dimension is equal to, or less than, 10 mm.

☐ 90. Except for **luff** slides the largest **luff** fitting dimension is equal to, or less than, 10mm.

☐ 91. G.4.1(b)(10) Two, or less, **sail** shape indicator stripes are each equal to 30 mm, or less, in width each and applied by either paint or ink.

☐ 92. H.3.3 The **leech** stiffening zones comply with H.3.2 and H.3.3.

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

