



FEDERATION INTERNATIONALE DE SAND ET LAND YACHTING
WORLD LANDSAILING ORGANISATION

**INTERNATIONAL SAILING
AND RACING RULES I.S.R.R.**

APPENDIXES

2019

Valid from 1/06/2019

**Version:
EC 2019 Terschelling (Netherlands)**

APPENDIX 2 B 1

CLASS 3 SPECIFICATIONS

If any one of the following items does not conform to the specifications, then the yacht is not considered as a class 3.

THE MAST

The length of the mast is limited to 6.10 metres including all parts.

A fluorescent orange strip, 40 mm wide and minimum 2 m long, is stuck on the leading edge of the mast.

THE CHASSIS

a. MAXIMUM TRACK : The yacht, fully rigged with a pilot in the cockpit, must pass between two vertical posts with a 3.5 m gap between them.

b. WHEEL BASE : the distance between the axle of the front-wheel and the axle of the rear wheels must not exceed 3.8 m.

STEERING MECHANISM

a. STEERING SHACKLES must be of stainless steel, minimum 5 mm diameter, and locked with wire.

b. STEERING CABLES must be of stainless steel, minimum 4 mm diameter, and must be fastened with ferrules and thimbles, or swaged on terminals.

c. CABLE TENSIONERS (e.g. bottle screws) must be of stainless steel, minimum 6 mm diameter, with a safety system to prevent looseness (wire or locking nuts).

BRAKE

An efficient brake will be fitted.

AREA

The maximum total propulsive area, (sail + mast + boom), is 7.35 sq.. m.

WEIGHT

The total weight, fully rigged, but without the pilot and without any ballast, will be a minimum of 100 kg.

ROLL BAR

A roll bar must be fitted to the yacht. It may however be replaced by an equivalent construction of the yacht body. In each case, roll bar or body, it must extend a minimum of 10 centimetres above the crash helmet of the pilot in the sailing position.

APPENDIX 2 B1 (bis)

CLASS 3 RESTRICTION SPECIFICATIONS (C III-R)

FISLY appendix 6 article 7 point g. applies for all international races where class 3 restriction yachts participate. Class 3 Restriction forms part of Class 3. If any one of the following items do not conform to the specifications the yacht is not considered as a Class 3 Restriction.

THE MAST

A fluorescent orange strip, 40 mm wide and minimum 2 m long, is stuck on the leading edge of the mast. The length of the mast is limited to 5.00 metres. The width (leading edge to trailing edge) is limited to 0.30 metres maximum. In any position the mast must enter in a gauge of 5 metres long limited by two projecting squares of 30 cm long.

THE CHASSIS

- a) **MAXIMUM TRACK** : The yacht, fully rigged with a pilot in the cockpit, must pass between two vertical posts with a 3.5 m gap between them.
- b) **WHEEL BASE** : the distance between axle of the front-wheel and the axle of the rear wheels must not exceed 3.8 m.
- c) **MAXIMUM HEIGHT**: the highest part of the yacht may not be higher than the top of the mast with the exception of any wind indicator. The maximum height of the lowest point of the mast is 70 cm measured from the ground. The sail (boom included) when sheeted in at maximum, must not become lower than the lowest point of the mast, projected horizontally over the whole length of the yacht.
- d) **DIAMETER OF THE WHEELS**: the diameter of the wheels with tyres fitted and inflated to 1.5 kg/cm³, must not exceed 0.70 m.

STEERING MECHANISM

- a) **STEERING SHACKLES** must be of stainless steel, minimum 5 mm diameter, and locked with wire.
- b) **STEERING CABLES** must be of stainless steel, minimum 4 mm diameter, and must be fastened with ferrules and thimbles, or swaged on terminals.
- c) **CABLE TENSIONERS** (e.g. bottle screws) must be of stainless steel, minimum 6 mm diameter, with safety system to prevent looseness (wire or locking nuts). The steering mechanism must not content any textile ropes.

BRAKE

An efficient brake will be fitted.

AREA

The maximum total propulsive area, (sail + mast + boom), is 7.35 sq.. m.

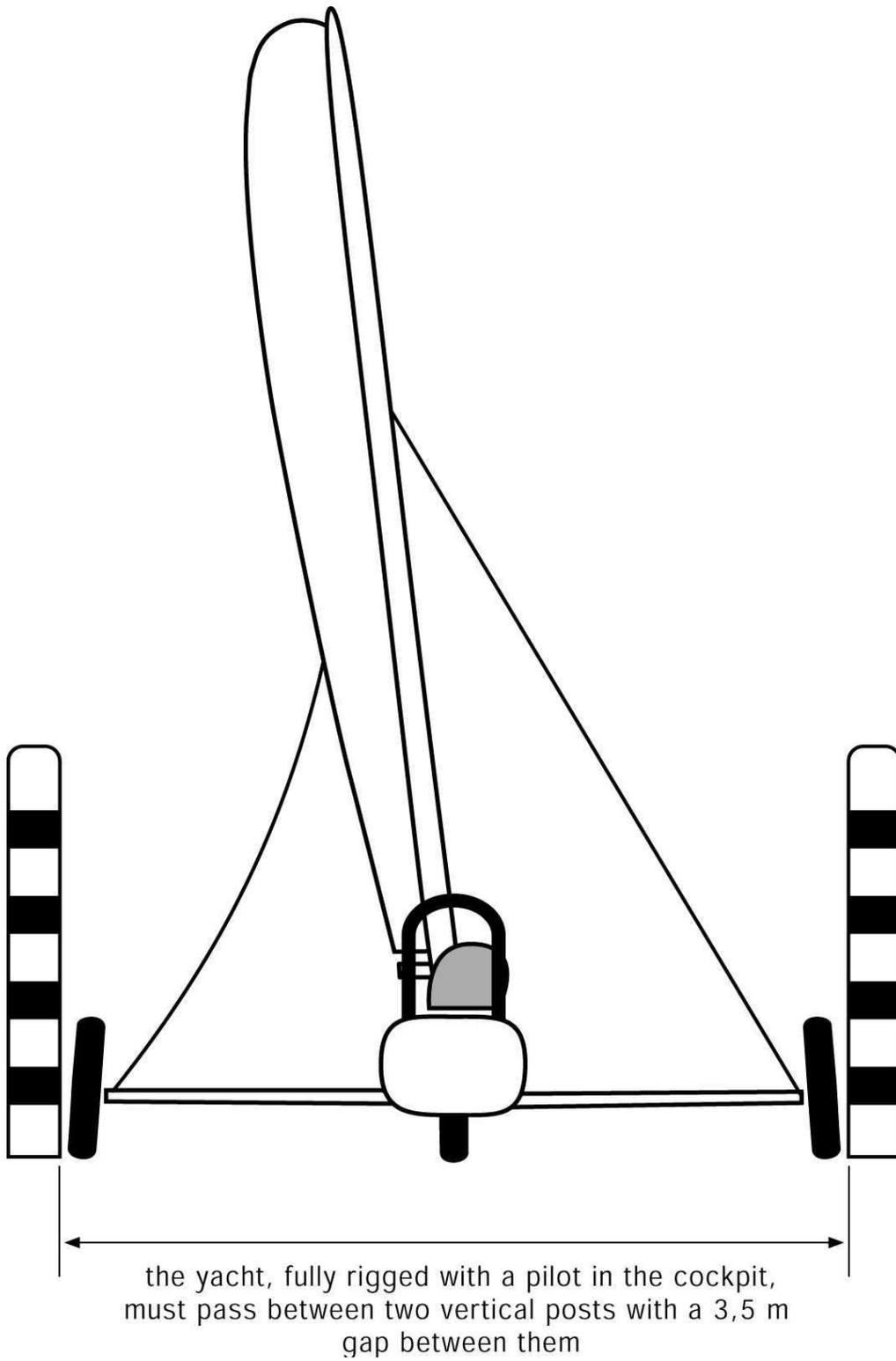
WEIGHT

The total weight, fully rigged, without the pilot and without any unfixed ballast, will be a min. of 110 kg.

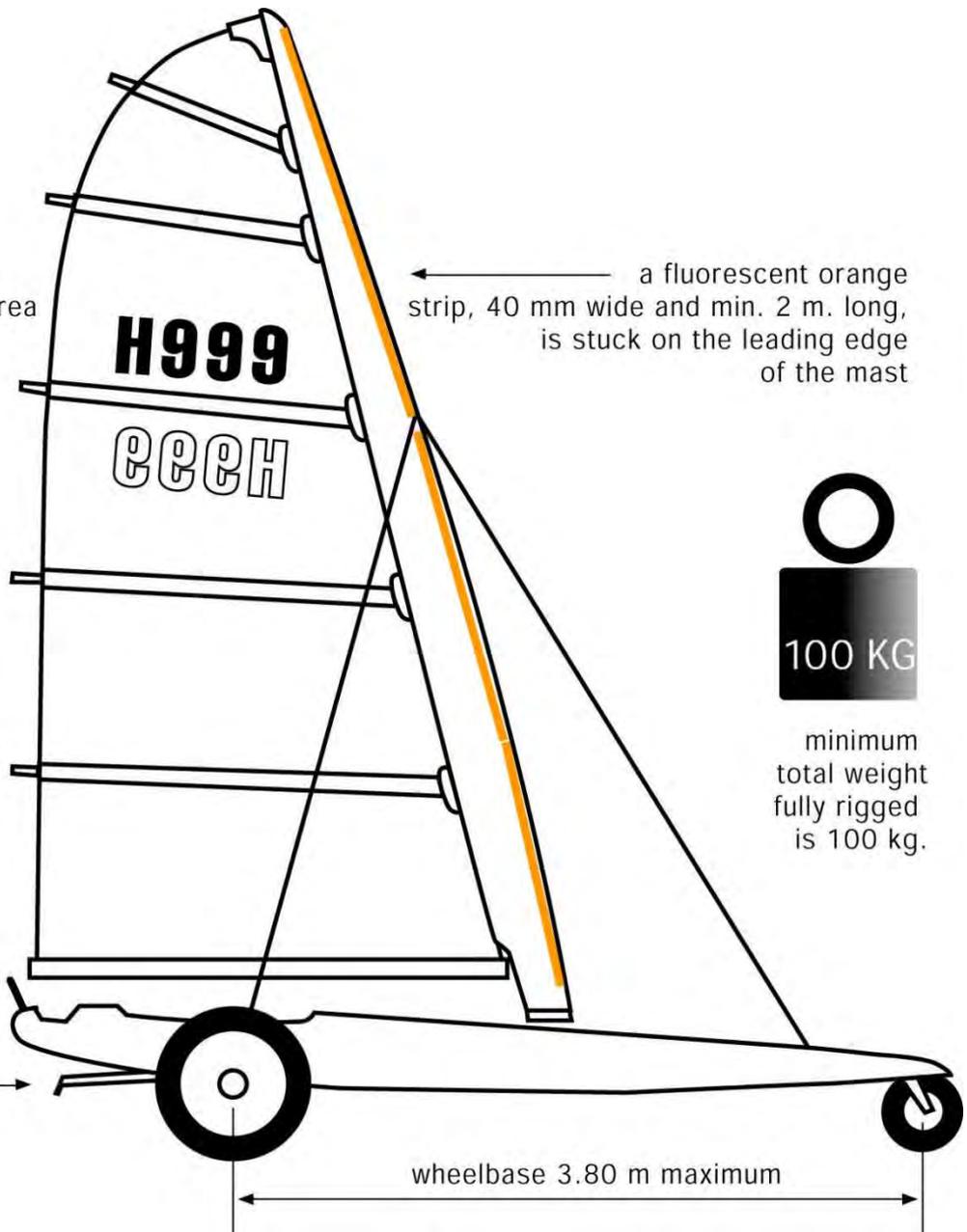
ROLL BAR

A roll bar must be fitted to the yacht. It may however be replaced by an equivalent construction of the yacht body. In each case, roll bar or body, it must extend a minimum of 10 centimetres above the crash helmet of the pilot in the sailing position

APPENDIX 02 B2 : CLASS 3 SPECIFICATION



sail+mast+boom
total propulsive area
is 7.35 sq.m.



← a fluorescent orange
strip, 40 mm wide and min. 2 m. long,
is stuck on the leading edge
of the mast



minimum
total weight
fully rigged
is 100 kg.

brake →

← wheelbase 3.80 m maximum →

APPENDIX n. 3 A-1.

MEASURING A SAND OR LAND YACHT SAIL

A yacht's sail measurement depends on its class. The sail measurement procedure is as follows :

CLASS 2 AND 3

The area exposed to the wind (mast + boom + sail), may not exceed 11.30 sq.m.. for Class 2 and 7.35 sq.m.. for Class 3.

EQUIPMENT :

- 3 long stakes (50 cm) to stick in the ground
- 1 square - sides 40 cm X 60 cm
- 1 tape measure 10 m long divided into centimetres
- 1 measurement sheet - form attached
- 1 obliging helper

PROCEDURE :

1. Mast, sail and boom are measured separately. For class 2 &3 deduct the surface of the sail which is contained within the mast track from the total surface area.

SAIL

Formula:

$$\text{surface VI} = \frac{\{ [X0 + xn] * H \}}{2} + \frac{\{ [X1+X2+... +Xn-1] * H \}}{2} + \frac{[Xn * H1]}{2}$$

In practice one measures the sides X0, X1, Xn in a way which eliminates the part of the sail which will be inside the mast track.

MAST

Formula:

$$\text{surface SM} = \frac{\{ [M0 +M1] * HM \}}{4} + \frac{\{ [M1 +M2] * HM2 \}}{4} + \frac{\{ [M2+ M3] * HM2 \}}{4}$$

(where HM2 = H/2)

To determine the surface of the mast one breaks up the surface area into simple geometric shapes.

BOOM

Formula: SB = BO * HB

Only the lateral surface of the boom is measured. In the case where a boom is not rectangular in shape its form should be broken up into simple geometric shapes.

For the different measurements M0, HM, HM1, H, X, etc. refer to the diagrams in annex 03 B1.