International 2.4 metre Measurement Form

Sail Number ……. ISAF Plaque Number ……

Owner…… Name of yacht ……

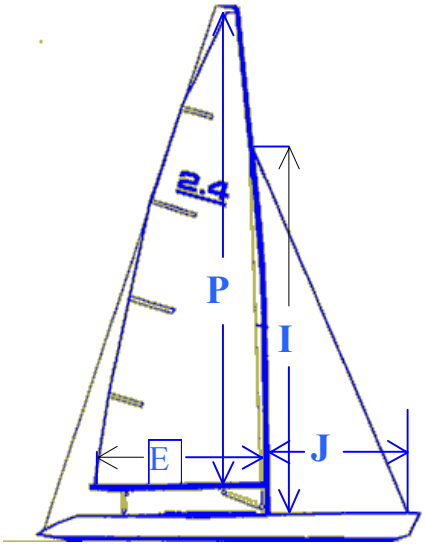
Overall length					
Overhang Forward to L1			+		
Overhang Aft to L1	Total overhang		+	→	-
Measured length					
Girth at Bow					
Twice Vertical Height at Bow	O at Bow		- 0,240 →		
1½ O at Bow				+	
Girth at Stern					
Twice Vertical Height at Stern	O at Stern		- →		
Add 1/3 O at Stern				+	
Add any penalty at O2	Sum of Girth difference			+ →	+
Correct length, L					
Skin girth d to d1 Port					
Chain girth d to d1 Port	d Port		- →	+	
Skin girth d to d1 Starboard					
Chain girth d to d1 Starb,	d Starboard		- →	+	
d = d Port + d Starboard	2 x d				+
Add to find sum of L + 2d					
Mean freeboard Bow O			+		
Mean freeboard Midships D			+		
Mean freeboard Stern	Sum of freeboards		+ →		
F=1/3 sum of freeboards	F, max 0.292				-
= L + 2d - F					
Penalty Displacement Rule D.7.2.	LWL				
Corr LWL	Difference	2 x difference	- →		+
Penalty Beam Rule D.7.3	Beam				
Min beam	Deficiency	4 x deficiency	- 0,720 →		+
√S					+
Total of Measurements L + 2d - F + √S					
Divide by 2.37 = RATING =					
Penalty Draft Rule D.7.1	Draft				
Max draft	Excess	3 x excess	- 1,000 →		+
Penalty Tumble home D.7.4	Tumble home				
Max Tumble home	Excess	3 x excess	- 0,015 →		+
FINAL RATING					

Other Measurements recorded by measurer

Overall Length		
Overhang Forward to L	+	
Overhang Aft to L	+	
Total Overhang (Sum overhang forward and aft)	→	-
Waterline Length (Overall Length - Total Overhang)		
Minimum measured cockpit frame over water level when ballasted and swamped in accordance with rule C.5.2		
Boat weight recorded by weighing according to rule C.5.1		Kg
Boat weight including 35 kg ballast		Kg
Minimum weight by Rule D.7.2 $(0.2xLWL+0.06)^3$ x 1.025		Kg

Sail Dimensions

P =
Outer point distance E =
Forestay height I =
Foretriangle base J =



Mast measurements checked	
Height of mast datum point Rule C.8.2 (b) (2)	
Boom measurements checked	
Rudder thickness, Rule E.4.3	

Areas of Sail

Mainsail 0.5 x P x E =		m^2
Foretriangle Total 0.5 x I x J =	m^2	
Foretriangle Total x 0.85		m^2
Sail Area For Rating = S =		m^2
$\sqrt{S}$		

Builder……. Designer …… When Built……...

Measured by……. Date of Measurement ……

Complementary measured by…….. Date of compl measurement……..

Certificate issued by …….. Date of issue……
name
CA …… ……..
authority signature