

# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

This form is the certificate required as per the International Sailing Federation Rule 78

## General Calculation Form

### Boat information:

**Manufacturer's Name:** Tool **Designer:** Wayne Mercer  
**(Company)**  
**Date Manufactured:** 2008 **Yacht Name:** \_\_\_\_\_

**Sail Number** **DEN 23**

### First owners name and address:

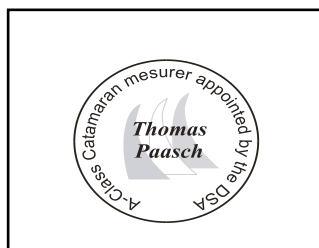
**First Name:** Christian **Last name:** Nygaard  
**Address:** Kildeskovsvej 36th **State:** Denmark  
**City / Zip Code:** 2820 Gentofte **Yacht Club:** SKS

### Calculation for five different mast and sail combinations

Combination		I	II	III	IV	V
Mast Serial N°						
Boom Serial N°						
Mast Area	MA [m2]	1,5125				
Boom Area	BA [m2]	0,0000				
Sail Area	SA [m2]	12,3937				
Total Area (max.13.94 m2)	RA [m2]	13,9062				
Black Band Distance	BD [m]	8,7709				
Distance from Base	L2 [m]	0,2391				
Total Weight	[kg]	75,4				
Correcting Weight	[kg]	-0,4				
Date		01/02/2011				
Measurer's Initial		TP				

Calculation for: BD =  $A + 2 \times ((13.94 - RA) / P)$  A, P Page 3  
 L2 =  $L - L1 - BD$  L, L1 Page 4

**Note:** If  $L2 < 0$ , then Black Band must be placed at base.



Measurer's Stamp

**Date of Measurement:** 12/06/2013  
**Measurer's Name:** Thomas Paasch  
**Appointed by:** Danish Sailing Association

**Measurer's Signature:** Thomas Paasch

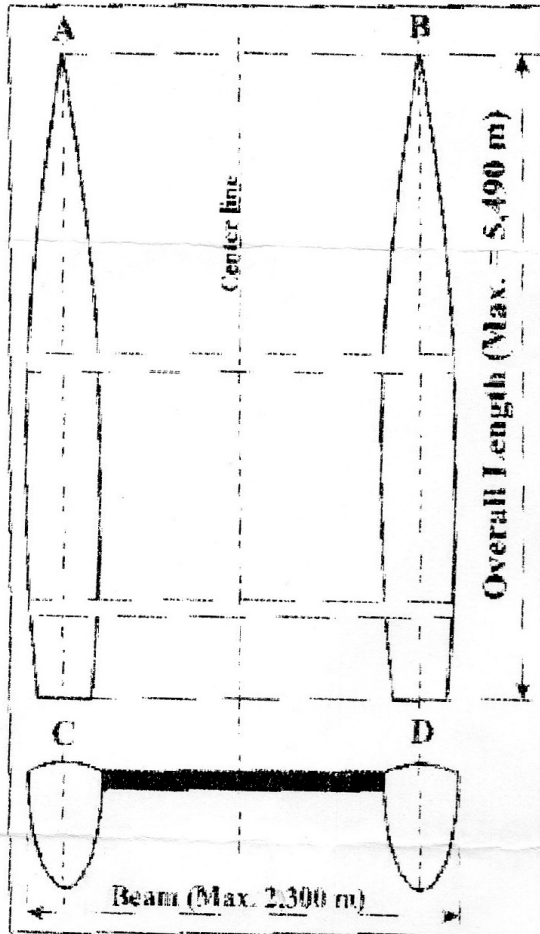


Issuing Authority (Stamp)

# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

This form is the certificate required as per the International Sailing Federation Rule 78

## Hull Measurement Form



Measurement	
Overall Length max. 5,490 m	
Measured [m]	5,490
Overall Beam max. 2,300 m	
Measured [m]	2,29
Identification	
Hull N°	
I.Y.R.U. Plaque	
Color	White
Builder	MFG
Material	CRV

Buoyancy
to be certified by boats builder
Date of Certificate: _____
For boats built from 1st January 1998 on
Complete boat's weight plus min.
75 kg positive buoyancy,
distributed equally on each hull.

### Measurers Declaration:

I declare that I have measured this boat and that it complies with all the class rules.

Comment:

**watersport**  
**verbond**

P. Saarberg  
OFFICIAL MEASURER

Measurer's Stamp

Date of Measurement: \_\_\_\_\_ 20-8-2009  
 Measurer's Name: Piet Saarberg  
 Appointed by: Watersportverbond

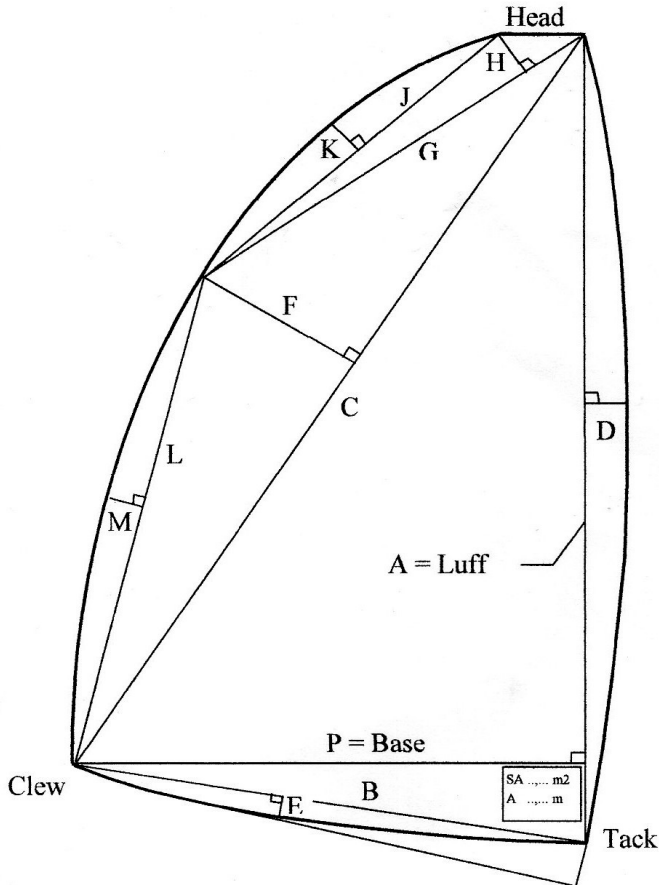
Measurer's Signature: \_\_\_\_\_

Issuing Authority (Stamp)

# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

This form is the certificate required as per the International Sailing Federation Rule 78

## Sail Measurement Form



Current Sail Number		
DEN 23	3rd	
	4st	
Sail	Measure	Calc
Luff = A	8.735	[m]
D	0.100	[m]
C	8.431	[m]
F	0.450	[m]
G	4.330	[m]
H	0.750	[m]
J	4.122	[m]
K	0.025	[m]
L	4.148	[m]
M	0.004	[m]
Base = P	1.880	[m]
B		[m]
E	0.000	[m]
Main Triangle	8.2109	1/2 (A x P)
Luff Round	0.5823	2/3 (A x D)
Foot Round	0.0000	2/3 (B x E)
Roach Area 1	1.8970	1/2 (C x F)
Roach Area 2	1.6238	1/2 (H x G)
Roach Area 3	0.0687	2/3 (J x K)
Roach Area 4	0.0111	2/3 (L x M)
<b>Sail Area = SA</b>	<b>12.3937</b>	<b>[m<sup>2</sup>]</b>

**Definition: Sail Area SA**

It is the total area of the sail excluding the overlapping part of the mast guide. The measurement is based on ISAF measurement and calculation of sail area rule 3 and shall be measured with battens in the pockets. For identification the SA, Luff and Base has to be marked on the sail (starboard side).

Note: Always to be filed in with three digits after decimal point

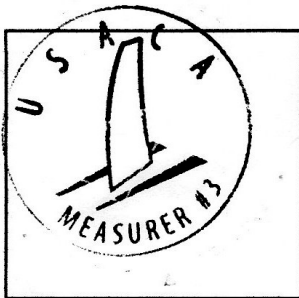
**If the sail complies with all the requirements the measurer shall sign and date the sail near the tack (starboard).**

Sailmakers Name: GLASER

Sail Button No: 21127

**Measurers Declaration:**

I declare that I have measured this sail and that it complies with all the class rules.



Measurer's Stamp

**Date of Measurement** 02-11

**Measurer's Name:** Jay Glaser

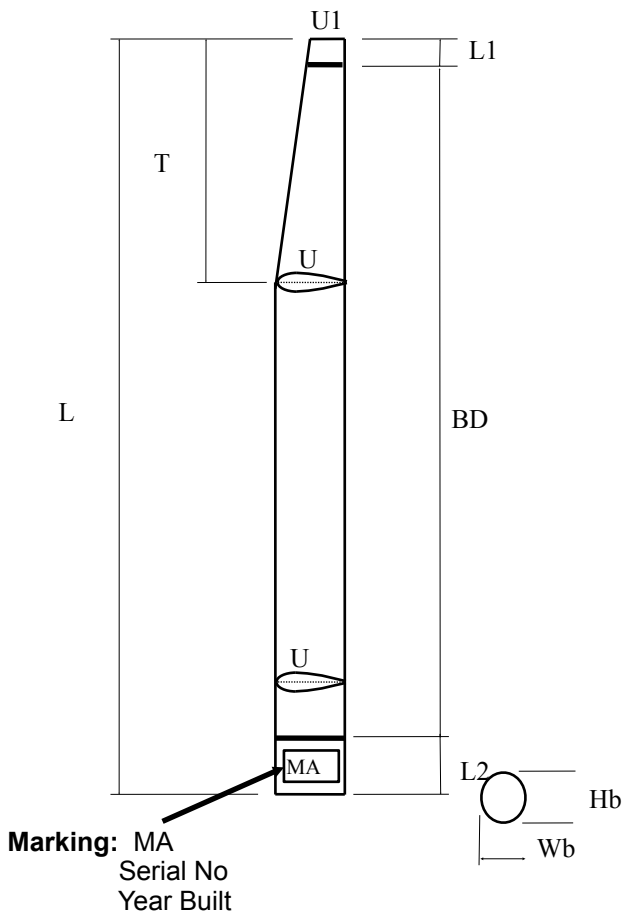
**Appointed by:** USACA

**Measurer's Signature:**

# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

This form is the certificate required as per the International Sailing Federation Rule 78

## Mast & Boom Measurement Form

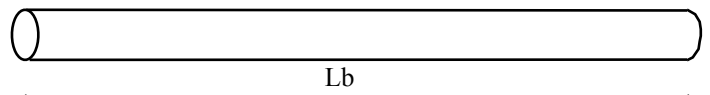


Mast Measurement			
L [m]	9,03	U [m]	0,335
L1 [m]	0,02	U1 [m]	0
T [m]	0	MA [m2]	1,5125

Mast Identification	
Serial N°	
Builder	FiberFoam
Material	Carbon

Boom Measurement		
Length	Lb [m]	0
Major Axis Vertical	Hb [m]	0
Major Axis Horizontal	Wb [m]	0
Mean Grith	MG [m]	0
Boom Area	BA [m2]	0

Boom Identification	
Serial N°	
Builder	FiberFoam



### Defintion:

#### Mast Area MA

It is the half of the surface area of the mast excluding top and bottom surface.

#### Boom Area BA

It is only required if the profile height is more then 1.5 of the width

#### Calculation of MA:

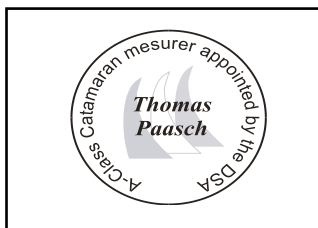
$$MA = U \times (L-T)/2 + T \times (U + U1)/4$$

#### Calculation of BA:

$$BA = 1/2 \times MG \times Lb$$

### Measurer's Declaration:

I declare that I have measured this Mast and Boom and that it complies with all the class rules.



Measurer's Stamp

**Date of Measurement:** 05/06/2010  
**Measurer's Name:** Thomas Paasch  
**Appointed by:** Danish Sailing Association  
**Measurer's Signature:**