

IRSA - WORLD RADIO SAILING



IRSA 10 RATER CLASS BOAT/RIG/SAIL CERTIFICATION CONTROL FORM

*** *this is not a certificate* ***

data from data entry/rating calculation sheet

Hull Registration Number

Owner's Name

Date of Initial Certification Control

Date of this Certification Control

NB Measurers

1 **Certification control** shall be carried out in accordance with the Equipment Rules of Sailing except where varied in the **class rules**.

2 This **certification control** form may be used for any number of rig/sail groups.

Boat

- | | | | |
|-------------|--|----------|-------------|
| 1 D.1.2. | Is the registration number applied to the hull ? | yes / no | 1 D.1.2. |
| 2 D.2.1. | Are both waterline limit marks placed on the hull so that they will be easily visible with the boat afloat and of minimum size 30 mm x 2 mm ? | yes / no | 2 D.2.1. |
| 3 D.2.3 (b) | Is the forward 15 mm of the hull of elastomeric material ? | yes / no | 3 D.2.3 (b) |
| 4 D.2.3 (b) | From the foremost point of the hull to the point where the bow profile is 20 degrees to the <u>datum waterplane</u> , is the vertical thickness of elastomeric material 5 mm or more? | yes / no | 4 D.2.3 (b) |
| 5 D.2.4 (a) | Is the hull a monohull ? | yes / no | 5 D.2.4 (a) |
| 6 D.2.4 (b) | With the following exceptions, does the hull have hollows in the external surface: | yes / no | 6 D.2.4 (b) |
| | (1) 40 mm or more above the <u>datum waterplane</u> ? | | |
| | (2) 15 mm or less from the centreplane? | | |
| | (3) Trunking for hull appendages ? | | |
| | (4) Inset transom and upper surface of deck? | | |
| | (5) Which do not exceed 1 mm in depth when checked with a straight edge of length 300 mm? | | |

Rig / Sail

- | | | | |
|-------------|---|---------------|-------------|
| 1 J.1 (a) | <u>Spar</u> for each sail , not being a mast spar , with cross section exceeding 22 mm - is their area included in the certified rig area? | NA / yes / no | 1 J.1 (a) |
| 2 J.1 (b) | Second and subsequent larger area <u>spars</u> used to extend the tack or clew of sails - is their <u>spar</u> area included in the certified rig area? | NA / yes / no | 2 J.1 (b) |
| 3 G.1.2 (a) | Are all the sails certified in the tack (by signing or adding a certification mark)? | yes / no | 3 G.1.2 (a) |
| 4 G.1.2 (b) | Is the date of certification control added to each sail tack ? | yes / no | 4 G.1.2 (b) |
| 5 G.1.2 (c) | Each sail of the certified rig , as defined in A.1.4, has its area marked in the tack ? | yes / no | 5 G.1.2 (c) |
| 6 G.1.2 (d) | Each alternative sail is marked with the area of its parent sail in the tack ? | yes / no | 6 G.1.2 (d) |
| 7 G.1.3 (a) | The largest luff length of the sails of the certified rig , as defined in A.1.4, does not exceed 2200 mm and is not less than 1990 mm? | yes / no | 7 G.1.3 (a) |
| 8 K.4.2 | Have the measurements for double luff sails been taken as skin girths ? | NA / yes / no | 8 K.4.2 |

DECLARATION BY THE OFFICIAL MEASURER - See also the Data Entry and Rating Calculation sheet

Official Measurer's Name (BLOCK CAPITALS)

Officially recognised by World Sailing MNA

Signature

Date

Effective: 1st January 2020

Release version 6b

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IRSA Ten Rater Class boat/rig/sail Certification Control Form - Official Measurer's declaration

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IRSA 10 RATER CLASS RATING CALCULATION



*** this is not a certificate ***

Hull Registration Number

Boat's Name

Design's Name

Designer's Name

Owner's Name

Date of Initial Certification Control

Date of this Certification Control

Any sail area not included in S(sail1), S(sail2), or rig area not included in S(rig area)	S(other)
	0

Show any calculation here or on a separate sheet

S (sail1)	+	S (sail2)	+	S (other)	+	S (rig area)	→	S (mm ²)
0		0		0		0		0

S (mm ²)	/	1000000	→	S (m ²)
0				

L (m)	x	S (m ²)	x	8	→	RATING
		0				

Boat weight at certification control with heaviest rig/sail combination rounded to nearest 0.01 kg. This data is only for control purposes at events to check whether a new measurement of L (LWL) is necessary.

If the **official measurer** has any doubt concerning the application of, or compliance of any part of the **boat** with, the **class rules** he shall report it on the **certification control** form(s) before sending them to the **certification authority** and not sign **certification control** form(s) or **sails**.

DECLARATION BY THE OFFICIAL MEASURER

I confirm that I have measured the waterline length of the **boat** according to the **class rules**, that the particulars on this form are correct and that, to the best of my knowledge, the **boat** complies with Sections D, E, F, G and H of the **class rules** of the International Ten Rater class in force at present, except as I have stated above.

Official Measurer's Name (BLOCK CAPITALS)

Officially recognised by World Sailing MNA

Signature

Date

DECLARATION BY THE OWNER

With the exception of RC equipment, to the best of my knowledge, no materials with a density exceeding 11,340 kg/m³ have been used in the construction of this **boat's hull** and its **appendages**. I also undertake to maintain this **boat** in compliance with the **class rules** and its **certificate** and that alterations or repairs to equipment required by the **certification control** forms to be **certified** will be checked by an **official measurer** before use.

Signature

Date

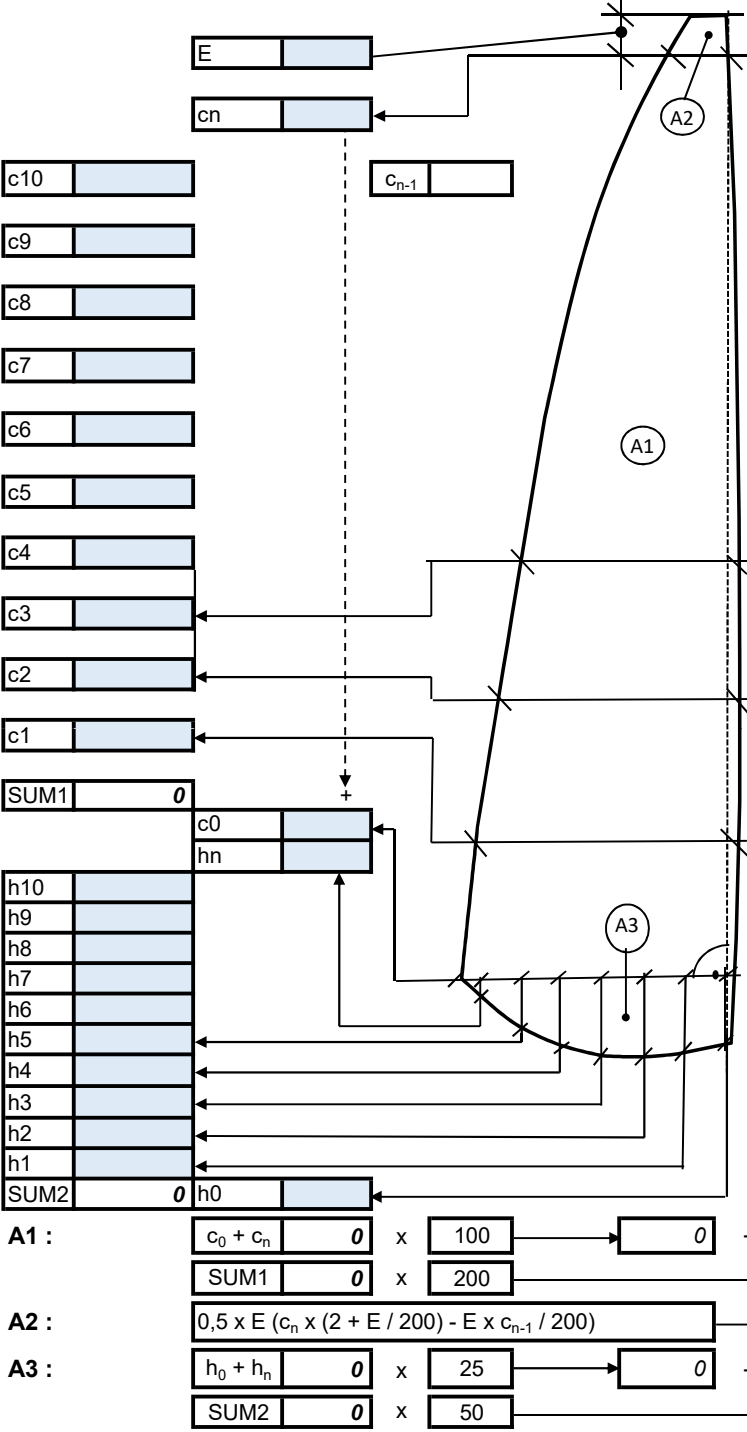
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IRSA 10 RATER CLASS SAIL CERTIFICATION CONTROL FORM

0 official validity check

Sail 1

Hull registration number 0



Guide measurements for sail makers and Equipment Inspectors :	
Luff length	
Leech length	
Luff perpendicular	
Foot	
NB : These dimensions are approximate and for guidance only	

To maximise sail area
Either

Delta Sail 1 LP	
Equivalent to Sail 1 LP	

Or

Delta Sail 2 LP	
Equivalent to Sail 2 LP	



Warning box

Warning box

Warning box

A1 : $\frac{c_0 + c_n}{200} \times 100 + \frac{SUM1}{200}$ → A1

A2 : $0,5 \times E (c_n \times (2 + E / 200) - E \times c_{n-1} / 200)$ → A2

A3 : $\frac{h_0 + h_n}{50} \times 25 + \frac{SUM2}{50}$ → A3

S (sail1) 0

DECLARATION BY THE OFFICIAL MEASURER

I confirm that I have taken the measurements on this form, that they are correct and that to the best of my knowledge, the sail complies with the **class rules** in force at present, except as I have stated below.

Official Measurer's name.
(BLOCK CAPITALS)

Signature _____ Date _____
Effective: 1st January 2020 Release version 6b © 2020, IRSA

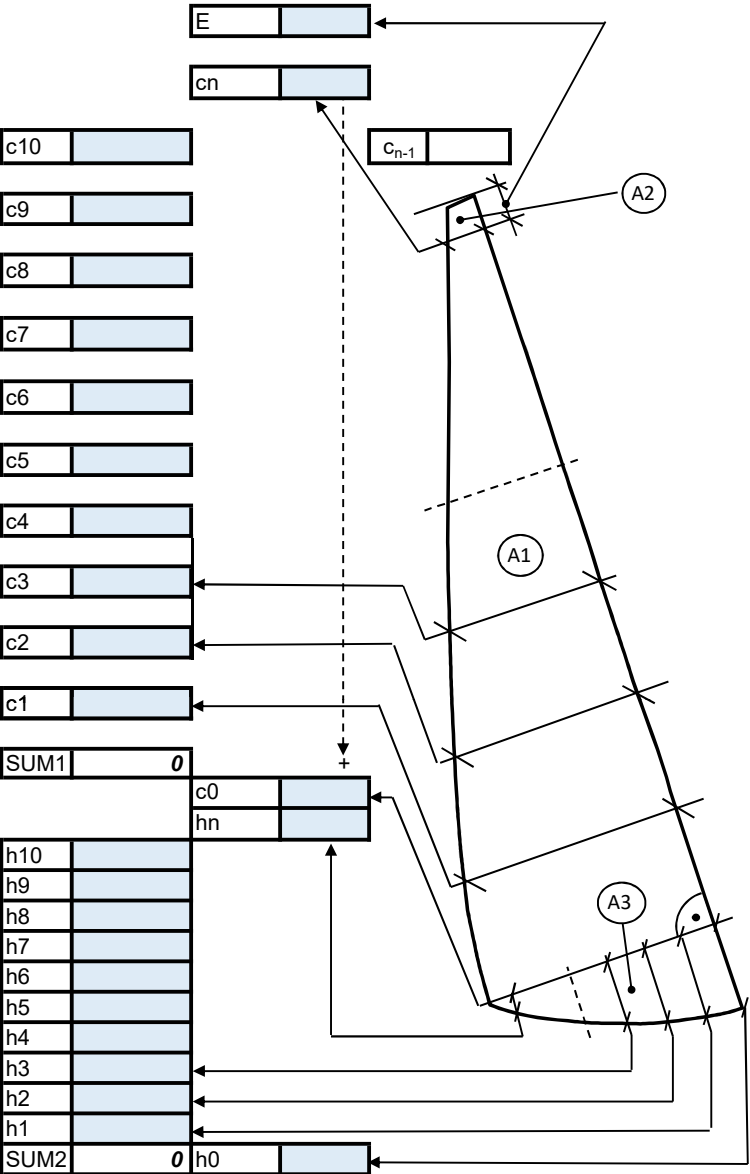
IRSA Ten Rater Class Sail 1 Certification Control Form - Sail 1

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IRSA 10 RATER CLASS SAIL CERTIFICATION CONTROL FORM

0 official validity check

Sail 2	Hull registration number
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Guide measurements for sail makers and Equipment Inspectors :	
Luff length	
Leech length	
Luff perpendicular	
Foot	
NB : These dimensions are approximate and for guidance only	

To maximise sail area
Either

Delta Sail 1 LP	
Equivalent to Sail 1 LP	

Or

Delta Sail 2 LP	
Equivalent to Sail 2 LP	



Warning box

Warning box

Warning box

A1 : $(c_0 + c_n) \times 100 + \text{SUM1} \times 200$ → **A1**

A2 : $0,5 \times E (c_n \times (2 + E / 200) - E \times c_{n-1} / 200)$ → **A2**

A3 : $(h_0 + h_n) \times 25 + \text{SUM2} \times 50$ → **A3**

S (sail2)

DECLARATION BY THE OFFICIAL MEASURER

I confirm that I have taken the measurements on this form, that they are correct and that to the best of my knowledge, the sail complies with the **class rules** in force at present, except as I have stated below.

The **official measurer** may report anything here.

Official Measurer's name.

(BLOCK CAPITALS)

Signature	Date
Effective: 1st January 2020	Release version 6b

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IRSA 10 RATER CLASS SPAR CERTIFICATION CONTROL FORM

0	official validity check
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Hull registration number

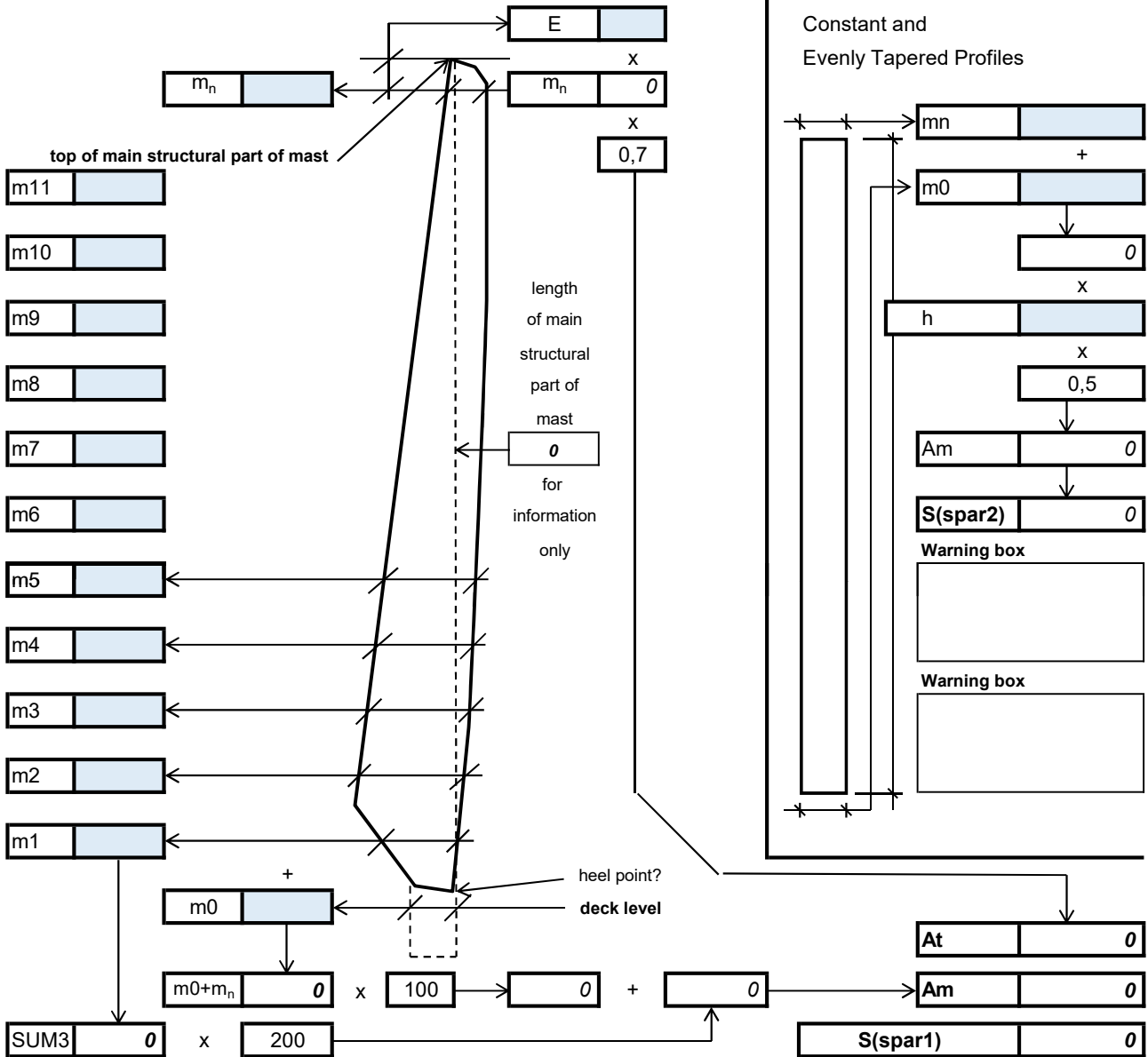
delete as appropriate

Spar1



delete as appropriate

Spar2



Other spar areas - show calculations here, or on another sheet :

Area of spars for alternative rigs shall not exceed this area :

DECLARATION BY THE OFFICIAL MEASURER

I confirm that I have taken the measurements on this form, that they are correct and that to the best of my knowledge, the **spar** complies with the class rules in force at present, except as I have stated below.

The official measurer may report anything here.
--

Official Measurer's name.

(BLOCK CAPITALS)

Signature _____ Date _____