

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

7947
YACHT NUMBER 7947
Builder CANTIERE NAUTICO UMA Year Built 1998
Builder's Hull Number 30 NERO Construction Material GRP
Type and location of yacht number in hull DRILLED ON KEELSON
Yacht Name _____ Fleet _____
Owner FED. ESPAÑOLA DE VELA
Address VIS SAUZARI 12-1º 28002 MADRID ESPAÑA
Remarks _____

DECLARATIONS:

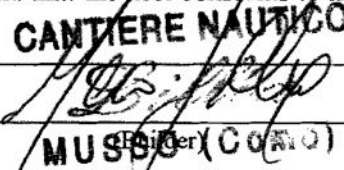
1. I certify that I have measured the items listed on this certificate for the above yacht and entered the data, the information is correct and the yacht complies with ISCYRA rules and the keel conforms to an approved builder's keel plan.

Print name ROBERTO RAVAGLIA

Signed  Date 1998-12-20
(Certified Star Class Measurer)

2. I certify that this yacht has been constructed in accordance with current plans and specifications of the ISCYRA and that the keel conforms to an approved keel plan and approved lay up schedule.

Print name

Signed  Date 1998-12-20
CANTIERE NAUTICO
MUSBO (COMO)

3. **TO BE COMPLETED WHEN STRUCTURAL CHANGES HAVE BEEN MADE ON A YACHT**
I certify that I have measured the above yacht in any areas affected by the following changes:

_____ and find it to be in accordance with the current plans and specifications of the ISCYRA.

Print name _____

Signed _____ Date _____
(Certified Star Class Measurer)

4. **TO BE COMPLETED WHEN YACHT OWNERSHIP CHANGES**

I certify that no alterations have been made on this yacht that would affect the measurements or conformity with the plans and specifications.

Print name _____

Signed _____ Date _____
(Owner)

YACHT NUMBER 7947

MEASUREMENTS:

HULL MEASUREMENTS:

A 4602
 B 1192
 C 1274
 E 2126
 O 6405
 P 305
 R 1950
 Transom Angle 15°
 L.O.A. 6916
 Height of Point "B" 464
 Chine Radius OK
 Stem Radius OK
 Side Flatness OK
 Rudder Template OK
 Rudder Thickness 27
 Rudder Post Diameter 25
 Skeg Depth 5412
 Skeg Contour 412 5
 Tiller Material OK

KEEL MEASUREMENTS:

K1 1145
 K2 1234
 K3 40
 K4 1354
 K5 26
 K6 779
 K7 220
 K8 309
 K9 822
 K10 963
 K11 89
 K12 86
 K13 76
 K14 263

KEEL CERTIFICATION:

Keel weight 407
 I certify that the weight shown was taken on a scale that has been calibrated within the last year to an accuracy of .5% of reading, and that this keel conforms to the builders approved keel plan, dated March 2 1993 on file at ISCYRA.

Roberto Ravaglia
 (Signature - Certified Star Class Measurer)

Last fully measured hull from this mold # 7947
 on DECEMBER 20, 1998.

This is hull number 0 since that measurement.

HEIGHTS ABOVE BASELINE:

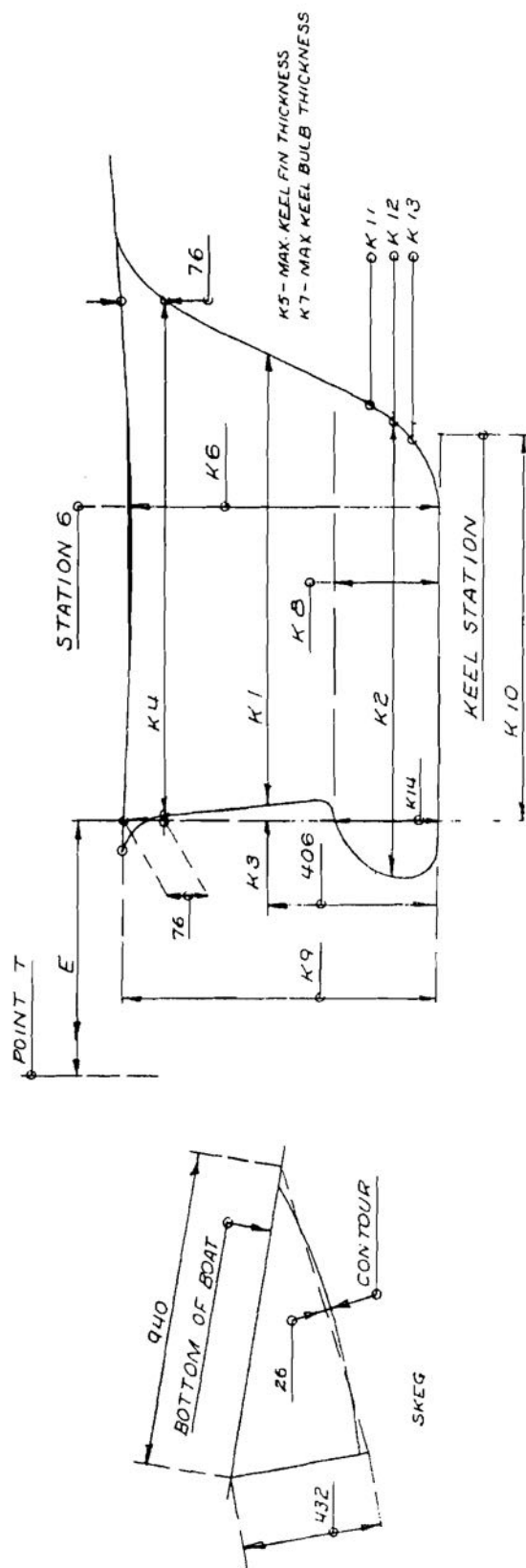
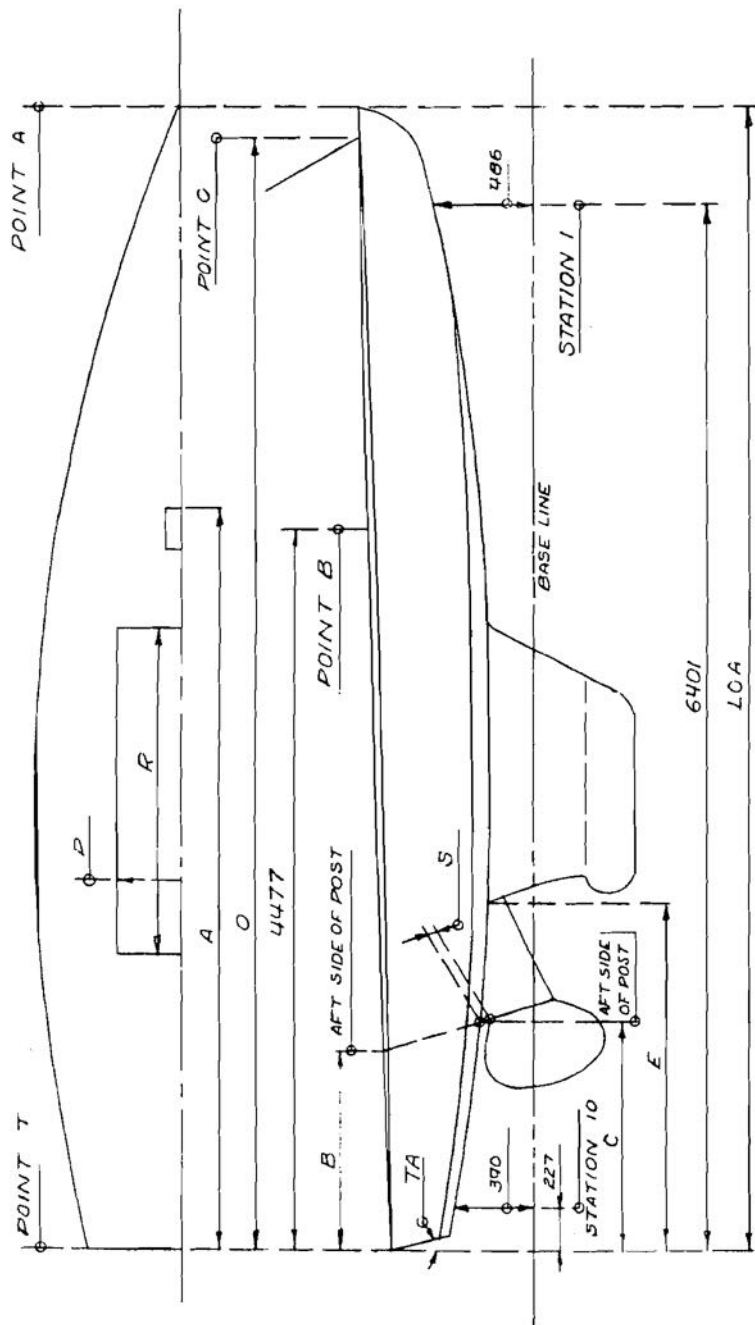
Station	1	2	3	4	5	6	7	8	9	10
Keel	486	356	250	173	120	105	129	199	288	390
Chine	X	X	307	X	X	227	X	302	X	450
Side	826	X	797	X	X	751	X	716	X	678
Bottom Arc	X	X	OK	X	X	OK	X	OK	X	OK

HALF BREADTHS:

Station	1	3	6	8	Stern
Deck	204	617	866	781	492
Chine	92	404	671	626	411

BUOYANCY:

Contained in Hull Lay-up 0.5 m³
 Airtight Compartments 0.85 m³
 Other _____



TO MEASURERS:

1. The duties of a certified measurer are confined to measuring yachts and reporting facts. He has no authority to grant or reject certificates or interpret rules. Complete instructions will be sent to him by the International Measurement Committee after his appointment.
2. This form must be fully completed by the certified measurer in duplicate. Both copies are to be sent to the ISCYRA Central Office.
3. Declarations must be signed as required.
4. Certified measurers are entitled to a reasonable fee for measuring, but the Association is not responsible for its payment.
5. A certified measurer may not measure a yacht in which he owns an interest except as provided by ISCYRA Rule 33.2

CONDITIONS UNDER WHICH CERTIFICATE IS ISSUED:

1. This certificate is not valid unless it bears the stamp of the ISCYRA and is signed by the chairman of the International Measurement Committee. This certificate may be revoked at any time by order of the International Measurement Committee or the International Governing Committee. It is invalid if any structural changes are made which affect the yacht's dimensions or its compliance with ISCYRA Rules.
2. This certificate shall be binding on all members, fleets, clubs, or organizations conducting races for the Star Class.
3. This certificate shall be replaced when the yacht is altered or sold. For replacement of the certificate contact the ISCYRA Central Office.
4. ISCYRA Rule 33.3 limits re-measurement of a yacht having a valid certificate.



The International Measurement Committee finds that the yacht described herein conforms with the plans and specifications of the Star Class and therefore grants this certificate to the yacht owner, subject to the conditions set forth above, so long as the owner or owners of the yacht are members of the ISCYRA.

Signed *John T. Linn*
(Chairman International Measurement Committee)

Date 17 JAN 1999

YACHT NUMBER

7947

I.S.C.Y.R.A.



Buoyancy Test Certificate

THIS CERTIFICATE IS GRANTED FOR THIS YACHT
UNDER THE PROVISIONS OF
I.S.C.Y.R.A. SPECIFICATION 7. FLOTATION

INSTRUCTIONS:

1. Each Star Class Yacht shall comply with the provisions of Specification 7.
2. If Buoyancy Certification of this yacht includes testing, the test shall be conducted according to Specification 7.
3. Send a copy of completed Certificate by mail to I.S.C.Y.R.A., 1545 Waukegan Road, Glenview, IL 60025 USA; or by fax to +1 847 729 0718. Owner shall retain a copy.
4. If flotation provisions for this yacht include buoyancy other than that provided by the structure of the hull, describe these provisions:

0.95 m³ Provided By Watertight Bulkheads

I CERTIFY THAT THIS YACHT COMPLIES WITH I.S.C.Y.R.A. SPECIFICATION 7.

Renato Marazzi

Builder or Owner
(Print or type name.)

Builder or Owner's Signature
(Sign name.)

April 6 2000

Date
(Month / Day / Year)

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE

Copy 1: Owner
Copy 2: Central Office

(Buoyancy test certificate REV-4/99)

ENTERED APR 6 2000

RECEIVED APR 6 2000

From: JOHN F. KOOPMAN <PDSKoop@compuserve.com>
To: Roberto Ravaglia <ravaglia@pop.uni.unicei.it>
Cc: ISCYRA <iscyra@interaccess.com>
Date: Tuesday, January 19, 1999 7:27 AM
Subject: Certs for Stars 7947 and 7950

COPY

Hello Roberto;

I just received the certificates for Stars 7947 and 7950.

There is some confusion about the skeg depth and contour. They were inverted on the certificates except the one with the arrows.

The skeg depth is the distance from the bottom of the boat to the bottom of the skeg. The contour is the maximum dimension the skeg projects above or below a straight line between the maximum allowable depth of the skeg (432) to the maximum length point of the skeg (940) forward of the center of the rudder post. See the diagram on the measurement certificate.

There have been some changes in the Class rules regarding measurements at regatta's, but none that affect hull measurement.

Some of the new boats (from all builders) were light at last year's world championship. The new masts and booms are much lighter than in the past. The typical rig weight is as much as 2 kg less than a few years ago. Please check the weight of some new rigs to be sure that new boats are not too light.

Thank you;

John Koopman

I.S.C. ★ Y.R.A.
YACHT WEIGHT CERTIFICATE



Yacht Number 7947

Owner FED ESPANOLA DE JENA

Address LUIS SALAZAR 12-1º

28002 MADRID ESPANA

Fleet _____

I certify that I have weighed the above yacht, according to the Rules of the I.S.C.Y.R.A., and find that

0 KG

is required to bring the total weight to the required minimum. This amount of weight has been properly installed, and I have applied official seals to it.

Date of Issue 1998-12-20

Certified Weighmaster:

Signature [Signature]

Print name ROBERTO RAVAGLIA

My term expires N.A.

White: Owner
Yellow: Central Office
Pink: Weighmaster/Measurer

HTC 1995

YACHT NUMBER

7947

I.S.C.Y.R.A.



Buoyancy Test Certificate

THIS CERTIFICATE IS GRANTED FOR THIS YACHT
UNDER THE PROVISIONS OF
I.S.C.Y.R.A. SPECIFICATION 7. FLOTATION

INSTRUCTIONS:

- Each Star Class Yacht shall comply with the provisions of Specification 7.
- If Buoyancy Certification of this yacht includes testing, the test shall be conducted according to Specification 7.
- Send blue copy of completed Certificate to I.S.C.Y.R.A., 1345 Waukegan Road, Glenview, IL 60025 USA; owner shall retain white copy.
- If flotation provisions for this yacht include buoyancy other than that provided by the structure of the hull, describe these provisions:

0.95 m³ PROVIDED BY WATERLIGHT BULKHEADS

I CERTIFY THAT THIS YACHT COMPLIES WITH I.S.C.Y.R.A. SPECIFICATION 7.

FED. ESPAÑA DE VELA
Builder or Owner

CANTABRE NAUTICO
MUSO (Owner)

1998-12-20
Date

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE

White: Owner
Blue: Central Office

Rev 2-95



Elaborada por el Secretario de la
Federación Española de Vela
EL SE CRETARIO GENERAL DE LA
FEDERACION ESPAÑOLA DE VELA

Antonio Gallego Vázquez

PAGINA: 2

24-FEB-98 14:33

RECEIVED JAN 15 1999

7947

I.S.C.Y.R.A.

**Buoyancy Test Certificate**

THIS CERTIFICATE IS GRANTED FOR THIS YACHT
UNDER THE PROVISIONS OF
I.S.C.Y.R.A. SPECIFICATION 7. *FLOTATION*

INSTRUCTIONS:

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I CERTIFY THAT THIS YACHT COMPLIES WITH I.S.C.Y.R.A. SPECIFICATION 7.

FED. ESPANOLA DE VELA

Builder or Owner

Builder or Owner's Signature

1998-12-20

Date

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE

White: Owner

Blue: Central Office

RECEIVED JAN 6 7 1999