INTERNATIONAL 420 CLASS MEASUREMENT FORM & MEASUREMENT CERTIFICATE

BOAT DETAILS	FIRST OWNER OF HULL	RE-REGISTRATION (if change of Nationality)
NATIONAL LETTERS		
OFFICIAL SAIL NUMBER		

Authority : International sailing Federation
Ariadne House – Town Quay – Southampton
Hampshire SO142AQ
United Kingdom

NOTE : This cover sheet shall be together with Measurement Form and certificate.
PLEASE COMPLETE THIS FORM IN BLOCK CAPITALS

SAIL NUMBER N° :	*Stick in this space the removable part of the 420 / ISAF plaque*

OWNER'S/ USERS' DECLARATION

To be signed by the first owner and the user(s):

I undertake to race with this International 420 only so long I maintain it in conformity with the Class rules. I also undertake that the weight correctors (if any) will not be altered or removed except when done in conjunction with an official re-weighing and that only sails, spars, hull appendices which have been measured and found to be in accordance with the rules will be used.

Name of the owner: .....

Address: .....

.....

.....

Date: .....

Signature: .....

User(s) Name: ……

……

……

……

Signature(s): ……

……..

……..

MEASUREMENT CERTIFICATE

To be completed by a National Authority (or a National Class Association if delegated)

National letters: .....Sail Number: .....

Builder: .....

Number of hull corrector weights: ..... Total weight of correctors : .....kg

This certificate is dated :..... and its validity

Is confirmed by: ..... for .....
(name in block capitals) (Name of National Authority)

Signature: ..... Stamp of National Authority

When the National Authority provides its own Measurement Certificate form, the above Measurement Certificate may be replaced.

SAIL NUMBER :	

CHANGE OF OWNERSHIP

Note: Change of ownership invalidates the Certificate. The new owner shall sign the declaration below and send the old certificate to his National authority for re- validation (see Class rule A.1.2)

SECOND OWNER'S/ USERS' DECLARATION AND RE-VALIDATION OF CERTIFICATE

Name: .....

Address: .....
.....
.....

To be signed by the second owner and the user(s):

I undertake to race with this International 420 only so long I maintain it in conformity with the Class rules. I also undertake that the weight correctors (if any) will not be altered or removed except when done in conjunction with an official re- weighing and that only sails, spars, hull appendices which have been measured and found to be in accordance with the rules will be used.

Name of the owner: .....

Address: .....
.....
.....

Date: .....

Signature: .....

User(s) Name

Signature

This certificate is dated :..... and its validity

Is confirmed by: ..... for .....
(name in block capitals) (Name of National Authority)

Signature: ..... Stamp of National Authority

SAIL NUMBER :	

Item	Rule N°	External shape of the hull	Min (mm)	Actual	Max (mm)
1	D.4.1	Base line : Distance from base line to keel at HDP		**200**	
2		Distance from base line to keel at 3780mm from HDP (For hulls first certified after 01/09/2006)		**92**	
3		Overall length including deck overlap, but excluding rudder fittings	4180		4220
4		Hull shape : Clearance between hull and template between keel and Line 1 (min/max) :			
4.1		Section 2 Port side	0	/	16
4.2		Starboard side	0	/	16
4.3		Section 5 Port side	0	/	16
4.4		Starboard side	0	/	16
4.5		Section 8 Port side	0	/	16
4.6		Starboard side	0	/	16
4.7		Section 9 Port side	0	/	16
4.8		Starboard side	0	/	16
4.9		Section 10 Port side	0	/	16
4.10		Starboard side	0	/	16
5		Difference between the greatest and least clearance (all sections)	0		12
6		Sheer line height at :			
6.1		Section 2 Port side	-10		+10
6.2		Starboard side	-10		+10
6.3		Section 5 Port side	-10		+10
6.4		Starboard side	-10		+10
6.5		Section 8 Port side	-10		+10
6.6		Starboard side	-10		+10
6.7		Section 9 Port side	-10		+10
6.8		Starboard side	-10		+10
6.9		Section 10 Port side	-10		+10
6.10		Starboard side	-10		+10
7		Distance Base line to keel at :			
7.1		Section 2	116		132
7.2		Section 5	34		50
7.3		Section 8	24		40
7.4		Section 10	129		145
8		Stem : Clearance between stem template and stem (mini / maxi)	0	/	15
8.1		Sheer line height at stem:	-10		+10
9		Transom : Clearance between transom template and transom (min / max)	20	/	40
9.1		Distance from the base line to the top of the transom	523		543
9.2		Curvature of the transom	26		42
10		Centreboard Case : Distance from AMP to Inside of centreboard case aft end	1415		
10.1		Distance from AMP Inside of centreboard case forward end			2510
10.2		Height of the upper part of the centreboard case at : Aft end	295		
10.3		Forward end	330		
11		Is the hull fair?	Yes / No		
12		Vertical distance between sheerline at stem and transom top at centreline			

SAIL NUMBER :	

	Rule N°	Deck and buoyancy tanks	Min (mm)	Actual	Max (mm)
13	Plan N° 5	Distance of side tanks at : Transom	580		620
13.1		At 1415 mm from HDP	780		820
13.2		At 2510 mm from HDP	700		740
14		Centreboard case capping: Length			1380
14.1		Width			170
15	Plan N° 5	Mast partner : Distance from HDP to the forward face	2880		2920
15.1		Length			200
16		Thwart width excluding ends			200
17		Breakwater height at centreline	30		
18		Is the curve of the deck in conformity with the Class rules		Yes / No	
19		Inspection holes in side tanks : Number of holes	1		
19.1		diameter	100		
20		Draining holes : Number of holes			1
20.1		diameter	15		25
		Internal measurement and fittings			
21	D.4.2	Distance from HDP to : Centre of forestay attachment hole	4085		4125
21.1		Centre of attachment holes in the shroud plates	2550		2570
21.2		Centreline of the mainsheet track	1400		1500
21.3		Forward part of the mast step.	2890		2910
21.4		Headsail fairleads	2020		2120
22		Length of the mast step			150
23		Distance from deck to bearing surface of the mast step	500		600
24		Distance from headsail fairleads to centreline	625		
25		Draining hole(s) in the transom : Number	1		
25.1		Surface			80 cm2
		Hull construction			
26	D.1.5	Is the ICA Plaque fixed to the Hull?		Yes / No	
26.1		Is the Builder's Plaque fixed to the Hull?		Yes / No	
27	Plan N° 5	Is there a watertight bulkhead between XX line and section 8?		Yes / No	
28		Keelson Height minimum	30		60
28.1		Length			3400
29		Cockpit reinforcements (length optional) : Width			70
29.1		Height			25
30		Reinforcement stiffeners : Width			50
30.1		Height			50
31		Distance between the bearing surface of the mast step and the top of the keelson			5

SAIL NUMBER :	

item	Rule N°	Measurement	Mini (mm)	Actual	Maxi (mm)
32	Plan N°5	Reinforcements of wood or plywood where allowed : At stem		Yes / No	
32.1		On the centreboard sides		Yes / No	
32.2		Reinforcements of wood, plywood or metal where allowed : At shroud points		Yes / No	
32.3		For the bailer		Yes / No	
32.4		At the transom centre, for the rudder fittings		Yes / No	
32.5		Coremat reinforcement : Is the minimum surface of coremat in accordance with the building specifications?		Yes / No	
32.6		Is the coremat thickness 2mm Maximum?		Yes / No	
33		Tanks water tightness : Is the side tanks water tightness satisfactory?		Yes / No	
33.1		Is the front tank water tightness satisfactory?		Yes / No	
33.2		Is secondary buoyancy fitted at minimum in the two side tanks?		Yes / No	
Hull weight					
34	D.5	Weight of the hull without correctors	78		
34.1	D.6	Total weight of correctors			2
34.2		Number of correctors			

BUILDER' DECLARATION – HULL

To be signed by the builder.

Builder's Name: .....

Date of building: .....

Sail number allocated to the boat: .....

DECLARATION – To be signed by the builder :

I certify that :
This hull has been build in accordance with the spirit and the letter of the Class rules and constructed in accordance with the lines plan, plan N°5 and building specifications.

Builder's signature: .....

Date: .....

Stamp :

SAIL NUMBER :	

MEASURER'S DECLARATION – HULL

To be signed by the measurer(s)

I certify I have taken all the measurements on this form and that the hull conforms to the plans and rules Of the International 420 Class Association.

I also certify that an ISAF / 420 plaque is fixed to the hull

Sail Number: .....

Item number(s) measured: .....

Comments: .....
.....
.....
.....
.....

Name: ..... Officially recognised by: .....
(MEASURER in Block capital) (NATIONAL AUTHORITY)

Measurer's signature: ..... Date: .....

Stamp :

Measurer 2 :

Item number(s) measured: .....

Comments: .....
.....
.....
.....
.....

Name: ..... Officially recognised by: .....
(MEASURER in Block capital) (NATIONAL AUTHORITY)

Measurer's signature: ..... Date: .....

Stamp :

SAIL NUMBER :	

RE- WEIGHING – HULL						
Date	**Hull Weight**	**Total corrector weight**	**Number of correctors**	**Name and Signature of measurer**	**National Authority stamp and Date**	**Comments**

SAIL NUMBER :	