INTERNATIONAL FINN CLASS MEASUREMENT FORM
2009 Edition
To be used in conjunction with the Class Rules and the Measurement Certificate (Hull and Centreboard)

ISAF Sticker Number 3673

Official Measurer for Section D (hull with centreboard)			
Date	Please Print Name	Signature	Appointed by
26.01.2010	MARCIN ONCZARKIEWICZ		MARCIN ONCZARKIEWICZ MIERNICZY PZŻ

Official Measurer for the centreboard (Sections E.1 and E.2 except E.2.5 (b))			
Date	Please Print Name	Signature	Appointed by
26.01.2010	MARCIN ONCZARKIEWICZ		MARCIN ONCZARKIEWICZ MIERNICZY PZŻ

Hull Templates						
Identifier	0	2	4	6	8	Stem
	DS1	DS1	DS1	DS1	DS1	DS1

IDENTIFICATION AND GENERAL			
Item	Rule	Entry	Requirement
ISAF Sticker attached to hull	D.2.4	3673	Enter number, (also at top of form)
Other Identifiers		PL-DSLD3007A108	Number & Place of numbers moulded in hull etc
Boat complete as for Swing Test	D.9.2 (a)	COMP	"Complies"
Hull Materials	D.3.1	COMP	Description/ "Complies"
Hull Construction	D.3.2 & diagrams	COMP	"Complies"

HULL BOTTOM UP					
Item	Rule	< (min)	Entry	< (max)	Requirement
Hull length	D.9.1	4480<	4503	<4510	Number, mm
Transom forward of Station 0:	"		2	<5	Number, mm
No hollows, knuckles or chines	D.3.2 (e),(f)		COMP		"Complies"
Baseline below hull shell: at station 1	D.9.1 & diagrams	147<	153	<157	Number, mm
at station 2	D.9.1	99<	107	<119	Number, mm
at station 4	"	35<	42	<55	Number, mm
at station 6	"	6<	11	<26	Number, mm
Stem profile (outside stem band) to template:	D.9.1 & diagram		5	<10	Number, mm
Sheer above position marked on stem template:	D.9.1 & diagram	-10<	-5	<+10	+ Number means more freeboard
Keel band and Stem band construction	D.8 & diagram		COMP		"Comply"
Keel band Section radius	D.9.1	6, half round<	6.5		Number, mm
Stem band (for'd of Section 8) radius	"	6<	6.5		Number, mm
Centreboard case construction	D.3.2 (c)(d)(e)		COMP		"Complies"
Centreboard Case slot width	D.9.1	8<	8.1	<12	Number, mm
Centre of centreboard pivot pin above underside of keel	"	40<	48	<50	Number, mm
Fore and aft adjustment for centreboard pivot pin	"		20	<20	Number, mm

SECTION TEMPLATES							
Item	Rule	Entry					Requirement
		< (min)	Port	< (max)	< (min)	Starboard	< (max)	
Hull shell to hull template: at station 0	D.9.1 & diagram		9	<10		9	<10	Number, mm
at station 2	"		8.5	<10		8.5	<10	Number, mm
at station 4	"		9.5	<10		9.5	<10	Number, mm
at station 6	"		7.5	<10		7.5	<10	Number, mm
at station 8	"		7	<10		7.5	<10	Number, mm
Sheerline above position marked on template: at station 0	D.9.1 & diagram	-10<	-9	<+10	-10<	-10	<+10	+ Number means more freeboard
at station 2	"	-10<	+2	<+10	-10<	-2	<+10	Number, mm
at station 4	"	-10<	0	<+10	-10<	+2	<+10	Number, mm
at station 6	"	-10<	-6	<+10	-10<	0	<+10	Number, mm
at station 8	"	-10<	-8	<+10	-10<	-8	<+10	Number, mm

DECK AND COCKPIT					
Item	Rule	< (min)	Entry	< (max)	Requirement
Deck General Arrangement	D.4.1		COMP		"Complies"
Length of foredeck	D.9.1 & diagram	1350<	1355	<1450	Number, mm
Length of aft deck		550<	550	<650	Number, mm
Distance between side decks or built in tanks and the centreplane: at station 2	D.4, diagram & D.9.1	410<	440		**Minimum Half-width** Number, mm
at station 3	"	500<	502		Number, mm
at station 4	"	490<	494		Number, mm
at station 5	"	440<	466		Number, mm
Distance between side decks or built in tanks and the centreplane, at some point between the **sheerline** and 100 mm below the **sheerline:** At Station 2	D.4, diagram & D.9.1		452	<520	**Maximum Half-width** Number, mm
at station 3	"		513	<560	Number, mm
at station 4	"		503	<550	Number, mm
at station 5	"		472	<500	Number, mm
Top of the deck at centreplane above the **sheer** at station 0	"	45<	45	<55	Number, mm
Top of the deck at centreplane above a straight line between the stemhead and station 0	D.4, diagram & D.9.1	-10<	COMP	<+10	"Complies"
Pads or recesses to mount or locate fittings	D.4.1 (d), D.9.1	-10<	0	<+10	"Complies"

DECK AND COCKPIT DETAILS					
Item	Rule	< (min)	Entry	< (max)	Requirement
Number of buoyancy units	D.5.2	4<	4		Number, "Complies"
Construction of buoyancy units	D.5.2		COMP		"Complies"
Buoyancy Inspection and Testing	D.5.3 D.9.1		SATISF.		Details of any tests carried out. "Satisfied".
Gunwale Rubbing Strakes	D.6 & diagram, D.9.1		COMP		"Complies"
G.R.S. depth (down from the sheerline around the hull)		20<	24	<35	Number, mm
" width (at a right angle to the shell)		20<	25	<25	Number, mm

DECK AND COCKPIT DETAILS						
Item	Rule	(min) <	Entry	< (max)		Requirement
Floorboard/Double Bottom construction	D.7		COMP			"Complies"
Width of floorboards at station 2	D.7, D.9.1	800<	850			Number, mm
at station 3	"	880<	973			Number, mm
at station 4	"	720<	858			Number, mm
Floorboards or double bottom below sheer at station 2	D.7, D.9.1	285<	285			Number, mm
at station 3	"	325<	330			Number, mm
at station 4	"	375<	375			Number, mm
(if fitted) at station 5	"	375<	406			Number, mm
(if fitted) at station 6	"	390<	481			Number, mm
Thwart thickness	D.9.1	16<	22	<26		Number, mm
" width	"	70<	70	<80		Number, mm
" aft side forward of station 4	"	-10<	-5	<50		Number, mm
Top of thwart below sheer	"		84	<130		Number, mm
Overall width of centreboard case	"		84	<100		Number, mm
Mainsheet traveller block: Travel from centreplane of boat	"		520	<550		Number, mm
Travel forward of station 4	"		80	<150		Number, mm
Distance from mast heel to underside of keel band	"		51	<56		Number, mm
Mast bearing surface above deck	"		0	<10		Number, mm
Horizontal play in mast bearings (not play between mast and bearing)	"	Upper	4 <5	Lower	5 <5	Number, mm
Fittings to have a reasonable weight	C.7.3 (e) (4)		COMP			"Complies"
Fittings information recorded on certificate if necessary	C.7.3 (e) (5)		N/A			"Entered" or "N/A"

TRANSOM DETAILS					Requirement
Item	Rule	(min) <	Entry	< (max)	
Holes, Number & Diameter	D.9.1		COMP		"Complies"
Bearing at Pintle above **hull datum point**	"	52<	54	<57	Number, mm
Bearing at Gudgeon above **hull datum point**	"	262<	267	<267	Number, mm
Axis of Pintle aft of Station 0 (α)	"	10<	21	<30	Number, mm
Axis of Gudgeon aft of Stn. 0 (β)	"	10<	20	<30	Number, mm
Difference between (α) and (β)	"	0<	1	<2	Number, mm
Dia. of Pintle & Gudgeon Hole	"	7.9<	8.0	<8.1	Number, mm

CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard identifying number	E.2.2 (a)		474		Number
Centreboard materials	E.2.3		COMP		"Complies"
Centreboard arm complies with diagram requirements	E.2.5 (a) & diagram		COMP		"Complies"
Centreboard large radius	"	885<	886	<895	Number, mm
" small radius	"	30<	31	<40	Number, mm
" chord length	"	815<	824	<825	Number, mm
" nominal thickness	"	8<	8	<8	Number, mm
" edge shaping distance	"		24	<25	"Complies"
Centreboard Mass including buffer stop	E.2.4 (a)(1) E.2.6	11·0<	12.5	<13·0	Number, kg
Certification mark fixed, signed & dated	E.2.2		COMP		"Complies"

HULL WITH CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard hole diameter larger than pivot pin diameter	E.2.5 (b)		1	<2	Number, mm
Centreboard theoretical reference point below hull shell	"		688	<700	
Hull datum point to centreboard (pivot pin at maximum aft position)	"	2050<	2050		
Centreboard projection below hull shell when fully raised	"		NONE		"None"
Centreboard Certification Mark details and number entered on Measurement Certificate (Hull and Centreboard)	D.2.1		ENT.		"Entered"
Correct condition for weighing	D.9.2 (a)		COMP		"Complies"
Mass of hull and centreboard	D.9.2 (b)	116·0<	116.1		Number, kg
Mass of correctors	D.9.4 (b)		4.75	<5·00	Number, kg
Period of oscillations	D.9.3(b)(iii)	T_1 3.175	T_2 3.540		sec, 3 decimals
Distance λ from Stn 0 to C of G	D.9.3 (c)	2100<	2100	<2290	Number, mm
C of G above underneath of hull	"	210<	221		Number, mm
Radius of gyration ρ	"	1100<	1102		"Complies"
Corrector weights securely fastened	D.9.4 (a)		COMP		"Complies"
Corrector and other weight details entered on certificate	D.9.4 (b)		ENT.		"Entered"

MARCIN DWOŻARKIEWICZ

MEASUREMENT CERTIFICATE

This is page 2 of the certificate required under ISAF RRS 78

INTERNATIONAL FINN CLASS

Identification and Certification (Hull and Centreboard)

SAIL N°
(Rule A.10.2)

ISAF Sticker No	3673	Builder	DEVOTI SAILING
Other Hull Identifying Numbers	PL-DSLDB007A108	Date completed	JANUARY 2010
Date of this measurement	26.01.2010	Date of first measurement	26.01.2010
Corrector weights Position 0-0 Amount 1x1.0 1x0.5 kg	(Include dist from Stn.0) 2040-0 Amount 2x1.25 kg	Position 3803-0 Amount 1x0.5 kg	Position — Amount kg
Fittings etc. such as Compass (not Digital), Hiking pads. Item weight not required. p.p extenders 2x0.55kg;			
Centreboard Certification Mark and Unique Number	454/474	Weight of hull plus centreboard	116.1 kg
Weight of Centreboard	12.5 kg	λ from Stn 0 to C of G	2100 mm
T_1	3.175 sec	d (App.H.3)	678 mm
T_2	3.540 sec	a (App.H.3)	657 mm
Radius of gyration ρ	1102 mm	h CG above underneath of hull	221 mm
Official Measurer (Please print)	MARCIN ONCZARKIEWICZ	Appointed by	MIERNICZY PZŻ
Hull and Centreboard comply with **fundamental measurement** requirements.		Official Measurer (Please sign)	

MARCIN ONCZARKIEWICZ

Registered by Certifying Authority:

Stamp and date of registration

OWNER

Name
Address

City
Code
Nation

Club

Please use Black Ink

19 June 2009