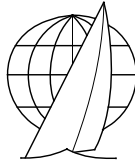


OFFSHORE RACING CONGRESS

World Leader in Rating Technology



orcsy@orc.org

www.orc.org

ORC SY APPLICATION FORM

Release 1.7 - 15th February 2015

BOAT DATA

Name		Class	
Sail Number		Data in	
Launch Date		Designer	
Design Date		Builder	
Owner	Phone:	Email:	
Skipper	Phone:	Email:	
ORCsY Contact	Phone:	Email:	

HULL DATA

Length Overall		Hull Construction material	
BMAX		Carbon Rudder (Y/N)	
DRAFT		Trim Tab (Y/N)	

MAIN RIG

Rig Type	Main Furler in Mast (Y/N)	No. Spreaders	
Sloop	Fiber Rigging (Y/N)	No. Runners	
Ketch	Lenticular Rigging (Y/N)	Jumper Struts (Y/N)	
Yawl	Forestay Tension (Aft/fwd/both/fixe)	Forestay tension is the position of the hydraulic ram used to tension forestay	
Schooner	Inner Stay (Y/N)		
Other (e.g. gaff)	Carbon Mast (Y/N)		
P (main hoist)	BAS (boom height)	Boom height must be taken on the upper face of boom to the deck.	MWT
E (main foot)	J (foretriangle base)		MCG
IG (jib hoist)	SPL (spi pole)	TPS is the distance from fwd face of mast.	Mast weight is complete mast.
ISP (spi hoist)	TPS (bow sprit)		Mast VCG is the distance from boom position.

SAILS

MAINSAIL	JIB	SYM SPI	ASYM SPI	Sail Areas (sqm)
HB	JH	SL	ASLU	Mainsail:
MGT	JGT	SMG	ASLE	Headsail:
MGU	JGU	SF	AMG	Spinnaker:
MGM	JGM	For the above dimensions ask sailmaker.	ASF	Asym Spi:
MGL	JGL		For the above dimensions ask sailmaker.	Mizzen:
Material	LPG			Mizzen Staysail:
For the above dimensions ask sailmaker	JL			Sail Areas may be entered instead of sail measurements.
	Material			

MIZZEN RIG AND SAILS

PY (mizzen Hoist)	YSMG	HBY	
EY (mizzen foot)	YSF	MGTY	
IY (staysail hoist)	YSD	MGUY	
EB (masts distance)		MGMY	
BASY (boom height)	Mizzen Staysail dimensions:	MGLY	

UNCONVENTIONAL SAILS

For each unconventional sail please provide:				Unconventional sails are those sails that are not included among those listed above (mainsail, jib, spinnaker, mizzen, mizzen staysail)
Top length	Foot length			
LP	Area (sqm)			
Luff length	Used upwind (Y/N)			
Leech length	Used Downwind (Y/N)			

Note: the requested sails measurements refer to the larger one

PROPELLER

Installation	(in aperture / out of aperture)	PIPA	
Type	folding feathering	PIPA may be entered if propeller measurements are not available	
Number of blades			
Twin Screw (Y/N)	Number of props		
PRD	Propeller diameter		

MOVEABLE BALLAST (CANTING KEEL OR WATER BALLAST)

WBW (lbs)	LIST ANGLE	CANT ANGLE	
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SPECIAL FEATURES

CENTERBOARD (Y/N)		For these special features please provide information from the designer/shipyard
BILGEBOARD (CANARD) (Y/N)		
DSS (DDYNAMIC STABILITY SYSTEM) (Y/N)		
TWIN RUDDER (Y/N)		

ADDITIONAL INFO NEEDED

		COMMENTS
Offsets files (or Hull 3D files) from designers		Ask designer or shipyard assistance. Offsets files and/or Hull 3D files must be sent to: Martyn Prince (Wolfson Unit - Southampton) M.P.Prince@soton.ac.uk
Stability booklet		Ask designer or shipyard assistance
Light Ship Displacement		Nominal Empty Displacement (could be derived from stability booklet)
Sail Plan		Sail plan and deck plan with boat profile useful also to measure superstructure dimensions
Deck plan		
Tanks plan with info about levels used during the race		
Level of each tank during the race		The level must be defined as LOW, HALF, FULL
Other handicap certificates (if yes, please provide)		ISYR/IRC/ORC
Sails measurements from Sailmakers		Ask sailmaker assistance
Mast weight (MWT) and MCG from mast builders		Only if MWT and MCG are not available or measured
Anchor+chain weight		if more than one anchor is kept on board during the race please provide separate figures for each anchor and chain
Anchor + chain distance from bow		
Fixed inner forestay. Genoa furled more than 50% when tacking (Y/N)		
Number of furled jibs when sailing upwind		
For any inner jib please specify IG_2, J_2, IG_3, J_3 etc.		IG_n is the height of the halyard over the deck; J_n is the distance of stay from the forward face of mast
Single furling jib used for the whole race (Y/N)		
Number of different headsails on board during the race		Please note that in counting the headsails you should not consider the sails set all together on different stays, but only headsails that can be used alone.
Number of different spinnakers on board during the race		
Open bow thruster tunnel diameter		
Number of Domes		
Dome 1 dimension		(sqm) frontal area
Dome 2 dimension		(sqm) frontal area
Dome 3 dimension		(sqm) frontal area
Max KW of sheeting winch		KW
Max KW of halyard winch		KW

Contacts

orcsy@orc.org

Comments?

Clarifications?

FORM COMPILING INSTRUCTIONS

EXISTING ORC CERTIFICATE	In case there is an existing valid ORC INTERNATIONAL certificate there is no need to provide:
	a) 3D hull file
	b) Light ship displacement
	c) Hull data
	d) Rig
	e) Sails
	f) Mizzen rig and sails
	g) Propeller
e) Centerboard	

SAILS MEASUREMENT	Sails measurements should be provided through:
	a) an official measurer b) sailmaker declaration

GAFF	For gaff rigs please provide sailplan and sailmaker info
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NOTE	Additional info may be redundant but could be useful to complete the release of the new certificate
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HULL 3D FILES	If 3D files (or Designer Offset Files) are not available through the designer or shipyard an official measurer could be appointed to scan the hull should it be made available when hauled out of the water
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