



Επιτροπή Ανοικτής Θαλάσσης (ΕΑΘ)
Ελληνική Ιστιοπλοϊκή Ομοσπονδία (ΕΙΟ)

Πιστοποιητικό Ισοζυγισμού IRC

Γιάννης Καλατζής

Αρχικαταμετρητής ΕΑΘ

2015

Πιστοποιητικό IRC – Γενικά

- Είδη πιστοποιητικών IRC:

Endorsed:

Αν οι μετρήσεις έχουν ελεγχθεί ή επαληθευτεί από καταμετρητή ή είναι σε συμφωνία με τα πρότυπα IRC Endorsement Standards.

Non-endorsed:

Σε κάθε άλλη περίπτωση.



Boat: Name: KYMATOLIGI Sail Number: GRE301 Cert No: 32255 TCC: 1.035 2015 Crew No.: 7				Stability SSS Base Value: 18 STIX: N/A AVS: N/A ISO/IRC Design Category: N/A ISAF Plan Review:	
General Details Design: MOUNT GAY 30 1.98 (93) Type: Bermudian Sloop Issue: REVALIDATION Notes:				Series Date: 1993 Age Date: 1997	Hull Factor: 10.0 Rig Factor: 1.033
Hull LH: 9.53 LWP: 8.51 Hull Beam: 3.29 Boat Weight: 2818 DLR: 154 Draft: 1.98	Overhangs BO: 0.48 X: 0.00 h: 0.00 SO: 0.54 y: 0.08	Rig & Mainsail P: 12.60 E: 4.69 J: 3.45 FL: 11.93 MUW: 1.35 MTW: 2.28 MHW: 3.43	Headsail HSA: 18.43 LLmax: 11.33 LL: 11.33 LP: 3.13 HHW: 1.66 HTW: 0.85 HUW: 0.45	Mizzen PY: 0.00 EY: 0.00 LLY: 0.00 LPY: 0.00	Spinnaker SPA: 94.10 STL: 4.45 SLU: 15.17 SLE: 13.65 SF: 7.9 SHW: 7.86
* For information only					
Detail Low vcg iron/lead keel No wing keel Inboard engine : Weight 130kg 2 blade folding/feathering propeller Internal ballast 0 kg Weight includes batteries/cushions ISAF OSR compliant lifelines fitted Manual power only for running rigging No variable/moveable ballast carried Mast foot/forestay not adjusted while racing					
No Spinnaker TCC: 1.002 Multiple headsails permitted Maximum number of spinnakers carried: 3 Spinnaker/whisker pole with or without Bowsprit 3 Spreader (sets) 0 Jumper (sets) 2 Runners/Checkstays (sets) Aluminium Mast Rod standing rigging $HSA=0.0625*LL*4*LP+6*H*HW+3*HTW+2*HUW+0.09$ $SPA=((SLU+SLE)/2)*(SF+(4*SHW)/5)*0.83$					

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Thanos ANDRONIKOS, Yannis PAHAKIS
 Vassileos Pavlou 41

VOULA
 16673

Greece

Seahorse
 Magazine

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 info@ndc.com tel: +33 (0) 1 46 04 17 80 fax: +33 (0) 1 46 04 17 73

Πιστοποιητικό IRC

Στο πιστοποιητικό ισοζυγισμού IRC αναφέρονται:

- **TCC:** Ο βαθμός ικανότητας στο IRC.
- **Μετρήσεις** σκάφους, εξαρτίας και πανιών, για την έκδοση του πιστοποιητικού.
- **Χαρακτηριστικά του σκάφους** (εξαρτίας, πλήθους πανιών, επιτρεπτών αντικειμένων στον αγώνα κλπ).
- Η ένδειξη **ENDORSED**, αν οι μετρήσεις έχουν ελεγχθεί ή επαληθευτεί από καταμετρητή ή είναι σε συμφωνία με τα πρότυπα IRC Endorsement Standards.



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Boat: Name: KYMATOLIGI Sail Number: GRE301 Cert No: 32255 TCC: 1.035 2015 Crew No.: 7				Stability SSS Base Value: 18 STIX: N/A AVS: N/A ISO/IRC Design Category: N/A ISAF Plan Review:							
General Details Design: MOUNT GAY 30 1.98 (93) Type: Bermudian Sloop Issue: REVALIDATION Notes: Notes:				Series Date: 1993 Age Date: 1997		Hull Factor: 10.0 Rig Factor: 1.033					
Hull LH: 9.53 LWP: 8.51 Hull Beam: 3.29 Boat Weight: 2818 DLR: 154 Draft: 1.98		Overhangs BO: 0.48 x: 0.00 h: 0.00 SO: 0.54 y: 0.08		Rig & Mainsail P: 12.60 E: 4.69 J: 3.45 FL: 11.93 MUW: 1.35 MTW: 2.28 MHW: 3.43		Headsail HSA: 18.43 LLmax: 11.33 LL: 11.33 LP: 3.13 HHW: 1.66 HTW: 0.85 HUW: 0.45		Mizzen PY: 0.00 EY: 0.00 LLY: 0.00 LPY: 0.00		Spinnaker SPA: 94.10 STL: 4.45 SLU: 15.17 SLE: 13.65 SF: 7.9 SHW: 7.86	
* For information only											
Detail Low vcg iron/lead keel No wing keel Inboard engine : Weight 130kg 2 blade folding/feathering propeller Internal ballast 0 kg Weight includes batteries/cushions ISAF OSR compliant lifelines fitted Manual power only for running rigging No variable/moveable ballast carried Mast foot/forestay not adjusted while racing				No Spinnaker TCC: 1.002 Multiple headsails permitted Maximum number of spinnakers carried: 3 Spinnaker/whisker pole with or without Bowsprit 3 Spreader (sets) 0 Jumper (sets) 2 Runners/Checkstays (sets) Aluminium Mast Rod standing rigging HSA=(0.0625*L ^{1.4} *(4*L ^{1.4} *P+6*H*H*W+3*H*W+2*H*W+0.09 SPA=((SLU+SLE)/2)*((SF+(4*SHW))/5)*0.83							

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 Vassileos Pavlou 41

VOULA
 16673

Greece

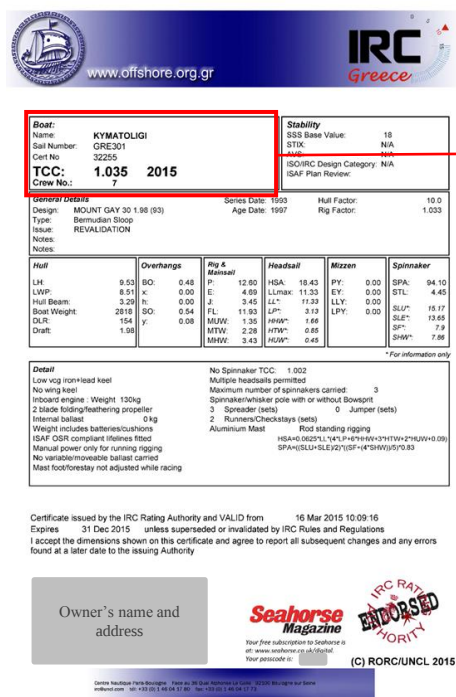


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Πιστοποιητικό IRC

- Στοιχεία σκάφους:



Boat:
Name: KYMATOLIGI
Sail Number: GRE301
Cert No: 32255
TCC: 1.035 2015
Crew No.: 7

Stability:
SSS Base Value: 18
STIX: N/A
ISO/IRC Design Category: N/A
ISAF Plan Review:

General Details:
Design: MOUNT GAY 30 1.98 (S3)
Type: Bermudan Sloop
Issue: REVALIDATION
Series Date: 1993
Age Date: 1997
Hull Factor: 10.0
Rig Factor: 1.033

Hull	Overhangs	Rig & Mast	Headstay	Mizzen	Spinnaker
LH: 9.53	BO: 0.45	IP: 12.80	HSA: 18.43	PY: 0.00	SPA: 94.10
LWP: 8.51	X: 0.00	E: 4.69	LLMak: 11.33	EY: 0.00	STL: 4.45
Hull Beam: 3.29	Y: 0.00	J: 3.45	LL: 17.33	LLY: 0.00	SLP: 15.17
Boat Weight: 2818	SO: 0.54	FL: 11.93	LP: 3.13	LPY: 0.00	SLP: 15.17
DLR: 154	Y: 0.08	MLW: 1.35	HHW: 1.66		SP: 7.9
Draft: 1.86		MTW: 2.28	HHW: 0.85		SHW: 7.88
		MHW: 3.43	HLW: 0.45		

Detail:
Low rig provided keel
No wing keel
Inboard engine - Weight 130kg
2 blade folding/feathering propeller
Internal ballast 0 kg
Weight includes batteries/tank/horns
ISAF OSR compliant lifelines fitted
Manual power only for running rigging
No variable/moveable ballast carried
Mast foot/forestay not adjusted while racing

No Spinnaker TCC: 1.002
Multiple headsails permitted
Maximum number of spinnakers carried: 3
Spinnaker/whisker pole with or without Bowprit
3 Bowsprit (sets)
2 Jumper (sets)
2 Runners/Checkstays (sets)
Rod standing rigging
Aluminum Mast
HSA=0.0023*L*Y*P*H*W*V*3*11TV*2*16W*0.09
SPA=(SLP+SLP2)/57*(4*SHW)/57*0.83

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Owner's name and address

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Boat:
Name: KYMATOLIGI
Sail Number: GRE301
Cert No: 32255
TCC: 1.035 2015
Crew No.: 7

- Boat:**
Όνομα και αριθμός πανιών σκάφους
- TCC:**
Βαθμός ικανότητας IRC
(Time Corrector = συντελεστής διόρθωσης χρόνου)
- Crew No.:**
Το βάρος πληρώματος δεν πρέπει να υπερβαίνει τον αριθμό που αναγράφεται πολλαπλασιασμένο επί 85 kg.
(π.χ. στο συγκεκριμένο παράδειγμα, το μέγιστο βάρος πληρώματος σε αγώνα δεν πρέπει να υπερβαίνει τα $7 \times 85 \text{ kg} = 595 \text{ kg}$)

Πιστοποιητικό IRC

- Γενικές λεπτομέρειες:

[illegible]

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Owner's name and address



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General Details

Design: MOUNT GAY 30 1.98 (93)
Type: Bermudian Sloop
Issue: REVALIDATION
Notes:
Notes:

Series Date: 1993

Age Date: 1997

Hull Factor:

Rig Factor:

10.0

1.033

- **Series** = Ημερομηνία κατέλκυσης 1^{ου} σκάφους αυτού του τύπου.
- **Age** = Ηλικία σκάφους.
- **Hull Factor (HF)**: Συντελεστής εκτίμησης χαρακτηριστικών του σκάφους σχετικά με τη βασική διαμόρφωση κρουαζιέρας. Τυπικά (όχι πάντα), τα σκάφη με HF από 7,5 και κάτω χαρακτηρίζονται cruisers.
- **Rig Factor (RF)**: Συντελεστής εκτίμησης χαρακτηριστικών της εξαρτίας και των πανιών του σκάφους σχετικά με τη βασική διαμόρφωση κρουαζιέρας.

- Γάστρα – Ίσαλος:



- **LH (Length of Hull)** = Μήκος γάστρας
- **LWP (Length Waterplane)** = Μήκος ισάλου
- **Hull Beam, Draft** = Μέγιστο πλάτος γάστρας, Βύθισμα σκάφους
- **Boat Weight** = Βάρος σκάφους (σκάφος άδειο από όλα τα κινητά αντικείμενα, εκτός μαξιλάρων και σπινακόξυλου)
- **DLR (Displacement to Length Ratio)** = Συντελεστής που εκφράζει (όχι απόλυτα) πόσο αγωνιστικό ή κρουαζιέρας είναι ένα σκάφος, και ισούται με: $DLR = (27.87 \times IRC \text{ Displacement}) / LWP^3$, όπου IRC Displacement το κενό βάρος του σκάφους (Boat Weight) αυξημένο κατά έναν παράγοντα τάξης μεγέθους 10-30% λόγω ύπαρξης σωστικών, πανιών, εργαλείων κλπ.
- **Overhangs:** Μετρήσεις για εύρεση του μήκους ισάλου και ύψους εξάλων.

Πιστοποιητικό IRC

- Εξαρτία & Πανιά:





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Boat:				Stability			
Name: KYMATOLIGI				SSS Base Value: 18			
Sail Number: GRE201				STX: N/A			
Cert No: 32255				AVS: N/A			
TCC: 1.035 2015 Crew No: 7				ISO/RIG Design Category: N/A			
				ISO/RIG Plan Reviewer: _____			
General Details				Date Issued: 1993		Hull Factor: 10.0	
Design: MOUNT GAY 3 186 (93)				Age Date: 1997		Rig Factor: 1.033	
Type: Bermudion Sloop							
Notes: REVALIDATION							
Issues: _____							

Hull	Overhangs	Rig & Mast(s)	Head(s)	Mizzen	Spinnaker
LH: 9.53	BO: 0.48	Py: 12.60	HSA: 18.43	Py: 0.00	SPA: 94.1
LWP: 8.91	K: 0.00	EL: 4.89	Lmax: 11.33	EV: 0.00	STL: 4.4
BW: 3.20	R: 0.00	LE: 2.45	LL: 11.33	LT: 0.00	SLE: 1.1
Boat Weight: 2818	SEA: 0.54	FL: 11.91	Py: 3.13	LPY: 0.00	SPC: 19.1
DLR: 154	P: 0.08	MW: 1.35	Wgen: 1.66	W: 0.00	SW: 7.7
Draft: 1.08		MTW: 2.28	HTW: 0.65		SWP: 7.7
		MHW: 3.43	HAW: 0.48		

** For information only*

Detail Low wing ironwood keel No wing keel Inboard engine: Weight 130kg 2 blade folding feathering propeller Internal Absorbent 3 kg Weight includes batteries/cables ISO/RIG compliant (lines fitted) Manual power only for running rigging No variable/nonmovable ballast carried Mast foot/boom not adjusted while racing	No Spinnaker TCC: 1.022 Multiple headsails permitted Maximum number of spinnakers carried: 3 Spinnaker/boomless pole with or without Downstop 3 Spreader (sets) 2 Runners/Cheadsails (sets) Aluminum Mast Rod standing rigging Headsails: HSA4, HSD2, L1, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, L32, L33, L34, L35, L36, L37, L38, L39, L40, L41, L42, L43, L44, L45, L46, L47, L48, L49, L50, L51, L52, L53, L54, L55, L56, L57, L58, L59, L60, L61, L62, L63, L64, L65, L66, L67, L68, L69, L70, L71, L72, L73, L74, L75, L76, L77, L78, L79, L80, L81, L82, L83, L84, L85, L86, L87, L88, L89, L90, L91, L92, L93, L94, L95, L96, L97, L98, L99, L100, L101, L102, L103, L104, L105, L106, L107, L108, L109, L110, L111, L112, L113, L114, L115, L116, L117, L118, L119, L120, L121, L122, L123, L124, L125, L126, L127, L128, L129, L130, L131, L132, L133, L134, L135, L136, L137, L138, L139, L140, L141, L142, L143, L144, L145, L146, L147, L148, L149, L150, L151, L152, L153, L154, L155, L156, L157, L158, L159, L160, L161, L162, L163, L164, L165, L166, L167, L168, L169, L170, L171, L172, L173, L174, L175, L176, L177, L178, L179, L180, L181, L182, L183, L184, L185, L186, L187, L188, L189, L190, L191, L192, L193, L194, L195, L196, L197, L198, L199, L200, L201, L202, L203, L204, L205, L206, L207, L208, L209, L210, L211, L212, L213, L214, L215, L216, L217, L218, L219, L220, L221, L222, L223, L224, L225, L226, L227, L228, L229, L230, L231, L232, L233, L234, L235, L236, L237, L238, L239, L240, L241, L242, L243, L244, L245, L246, L247, L248, L249, L250, L251, L252, L253, L254, L255, L256, L257, L258, L259, L260, L261, L262, L263, L264, L265, L266, L267, L268, L269, L270, L271, L272, L273, L274, L275, L276, L277, L278, L279, L280, L281, L282, L283, L284, L285, L286, L287, L288, L289, L290, L291, L292, L293, L294, L295, L296, L297, L298, L299, L300, L301, L302, L303, L304, L305, L306, L307, L308, L309, L310, L311, L312, L313, L314, L315, L316, L317, L318, L319, L320, L321, L322, L323, L324, L325, L326, L327, L328, L329, L330, L331, L332, L333, L334, L335, L336, L337, L338, L339, L340, L341, L342, L343, L344, L345, L346, L347, L348, L349, L350, L351, L352, L353, L354, L355, L356, L357, L358, L359, L360, L361, L362, L363, L364, L365, L366, L367, L368, L369, L370, L371, L372, L373, L374, L375, L376, L377, L378, L379, L380, L381, L382, L383, L384, L385, L386, L387, L388, L389, L390, L391, L392, L393, L394, L395, L396, L397, L398, L399, L400, L401, L402, L403, L404, L405, L406, L407, L408, L409, L410, L411, L412, L413, L414, L415, L416, L417, L418, L419, L420, L421, L422, L423, L424, L425, L426, L427, L428, L429, L430, L431, L432, L433, L434, L435, L436, L437, L438, L439, L440, L441, L442, L443, L444, L445, L446, L447, L448, L449, L450, L451, L452, L453, L454, L455, L456, L457, L458, L459, L460, L461, L462, L463, L464, L465, L466, L467, L468, L469, L470, L471, L472, L473, L474, L475, L476, L477, L478, L479, L480, L481, L482, L483, L484, L485, L486, L487, L488, L489, L490, L491, L492, L
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<i>Rig & Mainsail</i>	<i>Headsail</i>	<i>Mizzen</i>	<i>Spinnaker</i>
P: 12.60	HSA: 18.43	PY: 0.00	SPA: 94.10
E: 4.69	LLmax: 11.33	EY: 0.00	STL: 4.45
J: 3.45	LL*: 11.33	LLY: 0.00	
FL: 11.93	LP*: 3.13	LPY: 0.00	SLU*: 15.17
MUW: 1.35	HHW*: 1.66		SLE*: 13.65
MTW: 2.28	HTW*: 0.85		SF*: 7.9
MHW: 3.43	HUW*: 0.45		SHW*: 7.86

- **P, E, J, FL, STL:** Μετρήσεις εξαρτίας.
- **MUW, MTW, MHW:** Μέγιστες μετρήσεις πλατών μαϊστρας.
- **LLmax:** Μέγιστο μήκος γραντιού ανάμεσα σε όλα τα πανιά.
- **HSA:** Μέγιστο επιτρεπτό εμβαδόν πλωριού πανιού σε αγώνες.
- **LL, LP, HHW, HTW, HUW:** Ενδεικτικές μετρήσεις πλωριού πανιού.
- **SPA:** Μέγιστο επιτρεπτό εμβαδόν μπαλονιού σε αγώνες.
- **SLU, SLE, SF, SHW:** Ενδεικτικές μετρήσεις μπαλονιού.

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Πιστοποιητικό IRC

- Λεπτομέρειες (συγκεκριμένα χαρακτηριστικά) :



Boat: Name: KYMATOLIGI Sail Number: GRE301 Cert No: 32255 TCC: 1.035 2015 Crew No.: 7		Stability: SSS Base Value: 18 STX: N/A AVS: N/A ISO/IRC Design Category: N/A ISAF Plan Review:	
General Details: Design: MOUNT GAY 30 1.98 (93) Type: Bermudan Sloop Issue: REVALIDATION Notes:		Series Date: 1993 Age Date: 1997 Hull Factor: 10.0 Rig Factor: 1.033	
Hull: LH: 9.53 LWL: 8.51 Hull Beam: 3.25 Boat Weight: 2818 CLR: 154 Draft: 1.96	Overhangs: BO: 0.48 X: 0.00 SO: 0.54 Y: 0.08	Rig & Mast: P: 12.80 E: 4.89 J: 3.45 FL: 11.93 MUW: 2.38 MTW: 2.28 MHV: 3.43	Headsail: HSA: 18.43 LLmax: 11.33 L: 7.13 LP: 3.13 HW: 1.66 HTW: 0.88 HUW: 0.45
Mizzen: EY: 0.00 LY: 0.00 LPY: 0.00		Spinnaker: SPA: 94.10 STL: 4.45 SLU: 15.17 SLE: 12.65 SF: 7.9 SHW: 7.88	

Detail
 Low vcg iron+lead keel
 No wing keel
 Inboard engine : Weight 130kg
 2 blade folding/feathering propeller
 Internal ballast 0 kg
 Weight includes batteries/cushions
 ISAF OSR compliant lifelines fitted
 Manual power only for running rigging
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 Mast foot/forestay not adjusted while racing

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Detail

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 No wing keel
 Inboard engine : Weight 130kg
 2 blade folding/feathering propeller
 Internal ballast 0 kg
 Weight includes batteries/cushions
 ISAF OSR compliant lifelines fitted
 Manual power only for running rigging
 No variable/moveable ballast carried
 Mast foot/forestay not adjusted while racing

No Spinnaker TCC: 1.002
 Multiple headsails permitted
 Maximum number of spinnakers carried: 3
 Spinnaker/whisker pole with or without Bowsprit
 3 Spreader (sets) 0 Jumper (sets)
 2 Runners/Checkstays (sets)
 Aluminium Mast Rod standing rigging
 $HSA=0.0625*LL*(4*LP+6*HHW+3*HTW+2*HUW+0.09)$
 $SPA=((SLU+SLE)/2)*((SF+(4*SHW))/5)*0.83$

- Είδος καρίνας
- Είδος και βάρος μηχανής.
- Είδος προπέλας.
- Υπαρξη έρματος/μολυβίων.
- Χρήση μη ανθρώπινης δύναμης
- Μέγιστο Επιτρεπόμενο πλήθος πλωριών πανιών και μπαλονιών (προσοχή: αν αναγράφεται single furling headsail, πρέπει να υπάρχει σύστημα περιτυλίγματος τζένοας και να χρησιμοποιείται μόνο ένα πλωριό πανί, εμβαδού όχι μικρότερου του 95% του HSA).
- Λεπτομέρειες εξαρτίας.
- Τύποι υπολογισμού εμβαδών πλωριών πανιών και μπαλονιών.



Επιτροπή Ανοικτής Θαλάσσης (ΕΑΘ)
Ελληνική Ιστιοπλοϊκή Ομοσπονδία (ΕΙΟ)

Πιστοποιητικό Ισοζυγισμού
IRC

Γιάννης Καλατζής
Αρχικαταμετρητής ΕΑΘ

2015
