

2019

ORC Club Certificate Appendix

BOAT	
Name Gloria	Certificate Number 019/19
Sail Nr HUN 40-1	Issued On 06/06/2019

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1132.6	916.3	823.5	786.1	767.6	758.0	744.5
52°	733.1	599.0	538.6	517.2	507.1	501.8	493.7
60°	686.9	562.9	510.3	492.4	484.2	479.8	473.4
75°	650.5	534.9	489.0	470.4	459.9	453.8	447.5
90°	640.2	530.4	485.4	462.1	445.5	431.9	416.5
110°	630.7	511.1	469.5	453.3	439.4	426.2	399.2
120°	654.7	521.6	470.7	442.9	424.8	410.2	383.6
135°	755.6	583.1	494.5	459.4	430.5	402.1	352.0
150°	903.5	700.4	570.2	496.4	462.0	434.7	380.1
Run VMG	1043.3	808.7	658.4	569.1	517.5	477.6	424.7
Selected Courses							
Windward / Leeward	1087.9	862.5	740.9	677.6	642.6	617.8	584.6
Circular Random	890.6	712.0	616.6	562.2	529.2	507.6	478.7
Coastal / Long Distance	1083.5	805.8	660.8	582.2	540.7	507.3	452.5
Non Spinnaker	962.0	762.4	653.7	590.1	550.9	525.4	493.6

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.9°	42.6°	42.6°	42.6°	42.7°	43.0°	43.1°
Beat VMG	3.18	3.93	4.37	4.58	4.69	4.75	4.84
52°	4.91	6.01	6.68	6.96	7.10	7.17	7.29
60°	5.24	6.40	7.05	7.31	7.43	7.50	7.60
75°	5.53	6.73	7.36	7.65	7.83	7.93	8.05
90°	5.62	6.79	7.42	7.79	8.08	8.33	8.64
110°	5.71	7.04	7.67	7.94	8.19	8.45	9.02
120°	5.50	6.90	7.65	8.13	8.47	8.78	9.39
135°	4.76	6.17	7.28	7.84	8.36	8.95	10.23
150°	3.98	5.14	6.31	7.25	7.79	8.28	9.47
Run VMG	3.45	4.45	5.47	6.33	6.96	7.54	8.48
Gybe Angles	143.0°	146.1°	144.5°	153.9°	163.5°	180.0°	180.0°