

## CONTENTS

PART I	GENERAL	
1.01	Administration .....	9
1.02	Rule Philosophy.....	9
1.03	ORR Certificates.....	9
1.04	Measurement.....	10
1.05	Rule Dates .....	10
PART II	GENERAL LIMITS & EXCLUSIONS	
2.01	Hull Type .....	12
2.02	Stability.....	12
2.03	Appendages.....	13
2.04	Speed Under Power .....	14
2.05	Propeller Shaft.....	14
2.06	Weights and Ballast.....	14
PART III	OWNER'S RESPONSIBILITIES	
3.01	Owner's Signature.....	14
3.02	Responsibilities for Measurement.....	15
3.03	Responsibilities after Measurement.....	16
PART IV	ORR RESTRICTIONS WHILE RACING	
4.01	Bloopers.....	17
4.02	Crew Weight Limit .....	17
4.03	Crew Limitations on Professionals .....	17
4.04	Shipping, Unshipping or Shift of Ballast, Fixtures, Accommodations.....	17
4.05	Movement from Stowage While Racing.....	18
4.06	Engine and Propeller .....	18
4.07	Drop Keels and Movable Appendages.....	18
4.08	Tankage.....	18
4.09	Energy Storage.....	18
PART V	PREPARATION FOR MEASUREMENT	
5.01	Hull Measurement Ashore.....	19
5.02	Measurement Afloat .....	19
5.03	Mast and Rig Weight.....	21

PART VI	HULL	
6.01	Principle of Hull Measurement.....	21
6.02	Hull Offset File .....	21
6.03	Remeasurement .....	21
6.04	Length Overall (LOA) .....	21
6.05	Maximum Beam (MB) .....	22
6.06	Definitions of Keels.....	22
6.07	Limitations on Centerboards .....	22
6.08	Measurement Trim .....	22
6.09	Sailing Trim .....	23
6.10	Sailing Length (L). .....	23
6.11	Displacement (DSPM & DSPS).....	23
6.12	Wetted Surface (WSS).....	23
6.13	Maximum Draft Including Keel (DHK).....	23
6.14	Maximum Draft Adjusted for Centerboard (DHKA).....	23
PART VII	PROPELLER	
7.01	General Requirements .....	23
7.02	Propeller Types .....	23
7.03	Installation Types.....	24
PART VIII	STABILITY & PITCH GYRADIUS	
8.01	Inclining Tests .....	24
8.02	Pendulum Length (PL).....	25
8.03	Weight Distance (WD) .....	25
8.04	Pendulum Deflections (PD).....	25
8.05	Weights (W).....	25
8.06	Inclining Slope (SLOPE) .....	26
8.07	Righting Moment (RM).....	26
8.08	Righting Moment Corrected (RMC).....	26
8.09	Righting Moment per Degree in Sailing Trim at 2 Degrees .....	26
8.10	Righting Moments by Heel Angle.....	26
8.11	Crew Weight (CW), Base Crew Weight (BCW).....	26
8.12	Declared Crew Weight (DCW) .....	26
8.13	Elements of Pitch Gyradius.....	27
8.14	Assessment of Pitch Gyradius .....	28
PART IX	RIG	
9.01	Rig Restrictions .....	29
9.02	Sail and Rig Measurement.....	30
9.03	Painted Measurement Bands.....	30
9.04	Base of Foretriangle (J).....	30
9.05	Spinnaker Pole and Spinnaker Tack Point (SPL & TPS) .....	30
9.06	Mast Measurements .....	31
9.07	Mainsail Hoist (P) .....	32
9.08	Height of Deck .....	32
9.09	Boom above Sheerline (BAS).....	32
9.10	Foot of Mainsail (E & BAL) .....	32
9.11	Boom Diameter (BD).....	33

9.12	Rigging Plan.....	33
9.13	Chainplate Width (CPW).....	34
9.14	Rig Weight and Center of Gravity (MWT, MCG & WB).....	34
9.15	Height of Mizzen Mast (IY).....	34
9.16	Mizzen Mast Diameters and Taper Length .....	35
9.17	Mizzen Hoist (PY).....	35
9.18	Boom above Sheerline (BASY).....	35
9.19	Foot of Mizzen (EY, BALY) .....	35
9.20	Mizzen Boom Diameter (BDY) .....	35
9.21	Distance between Masts (EB).....	35

PART X        SAILS

10.01	Rig Restrictions .....	36
10.02	Sail Inventory .....	36
10.03	Trimming of Sails .....	36
10.04	Double Luffed Sails .....	37
10.05	Restrictions on Setting and Sheeting of Jibs.....	37
10.06	Restrictions on Setting and Sheeting of Spinnakers .....	37
10.07	Restrictions on Setting and Sheeting of Mainsails .....	38
10.08	Restrictions on Setting and Sheeting of Mizzen Staysails.....	38
10.09	Tension and Wrinkles in Sails .....	38
10.10	Measurement Points at Corners of Sails.....	39
10.11	Definition of Headsails .....	39
10.12	Longest Perpendicular of Jibs (LPG) .....	39
10.13	Jib Girths and Jib Roach (JR).....	40
10.14	Forestay Perpendicular (FSP) .....	40
10.15	Longest Luff of Jibs (JL) .....	40
10.16	Jib Limitations .....	40
10.17	Symmetric Spinnakers .....	41
10.18	Asymmetric Spinnakers.....	41
10.19	Spinnaker Headboard (HBS).....	41
10.20	Spinnaker Maximum Width (SMW).....	41
10.21	Spinnaker Luff and Leech (SL & ASL).....	42
10.22	Spinnaker Foot Length (SF & ASF).....	42
10.23	Asymmetric Spinnaker Mid Girth Length (AMG).....	42
10.24	Measurements for Spinnaker Area .....	42
10.25	Spinnaker Limitations.....	42
10.26	Mainsail Head.....	43
10.27	Mainsail Clew .....	43
10.28	Mainsail Cross Widths.....	43
10.29	Mainsail Mid Point of Leech.....	43
10.30	Mainsail Headboard (HB).....	43
10.31	Top Batten Upper Limit .....	44
10.32	Mainsail Girths (MGT, MGU, MGM, & MGL).....	44
10.33	Mainsail Weight (MSW).....	45
10.34	Batten Adjustment .....	45
10.35	Mizzen Headboard (HBY) .....	45
10.36	Mizzen Top Batten upper limit.....	45
10.37	Mizzen Girths (MGTY, MGUY, MGY & MGLY).....	45
10.38	Mizzen Batten Adjustment.....	45
10.39	Mizzen Staysail Foot (YSF) .....	45
10.40	Mizzen Staysail Depth (YSD).....	45
10.41	Mizzen Staysail Mid Girth (YSMG).....	46

10.42	Sail Plan Rated Areas.....	46
10.43	Foretriangle Height (IM) .....	46
10.44	Longest Perpendicular of Jibs, Rated (LP) .....	46
10.45	Rated Limits .....	47
10.46	Aerodynamic Drag of Masts .....	47
10.47	Aerodynamic Drag of Rigging and Spreaders .....	47
10.48	Effective Height of Mainmast (EHM) .....	47
10.49	Diameter of Mainmast (EDM) .....	48
10.50	Effective Height of Mizzenmast (EHMY) .....	48
10.51	Effective Diameter of Mizzenmast (EDMY) .....	48
INDEX	.....	49
APPENDIX 1	ORR RATING CERTIFICATE.....	53
APPENDIX 2	MEASUREMENT CONDITION CHECK LIST & INVENTORY .....	54
APPENDIX 3	VARIOUS SHEER POINT DIAGRAMS.....	55
APPENDIX 4	RULES AND PROCEDURES FOR RACE ADMINISTRATION.....	56
APPENDIX 5	ADMINISTRATIVE RATING PROTESTS.....	58
APPENDIX 6	DYNAMIC & AGE ALLOWANCES.....	60
APPENDIX 7	WATER BALLAST & SPECIAL APPENDAGES .....	61