

APPENDIX E – RADIO-CONTROLLED BOAT RACING RULES

Races for radio-controlled boats shall be sailed under The Racing Rules of Sailing as changed by this appendix.

E1 TERMINOLOGY, RACE SIGNALS, DEFINITIONS AND FUNDAMENTAL RULES

E1.1 Terminology

‘Boat’ means a boat that is radio-controlled by a competitor who is not on board. For ‘race’ used as a noun outside this appendix and Appendix A read ‘heat’. Within this appendix, a race consists of one or more heats, and is completed when the last heat in the race is finished. An ‘event’ consists of one or more races. A ‘series’ consists of a specified number of races or events.

E1.2 Race Signals

Race Signals do not apply. All signals shall be given orally or by other sounds described in this appendix.

E1.3 Definitions

- (a) Add to the definition *Interested Party* ‘but not a competitor when acting as an observer’.
- (b) In the definition *Two-Length Zone* change ‘Two’ to ‘Four’.

E1.4 Personal Buoyancy

Rule 1.2 is replaced with ‘When on board a rescue vessel, each competitor shall be responsible for wearing personal buoyancy adequate for the conditions.’

E1.5 Aerials

Transmitter aerial extremities shall be adequately protected. When a protest committee finds that a competitor has broken this rule it shall either warn him and give him time to comply or penalize him.

E2 PART 2 – WHEN BOATS MEET

Rule 21 is replaced with:

Capsized or Entangled

If possible, a boat shall avoid a boat that is capsized or entangled, or has not regained control after capsizing or entanglement. A boat is capsized when her masthead is in the water. Two or more boats are entangled when lying together for a period of time so that no boat is capable of manoeuvring to break free of the other(s).

E3 PART 3 – CONDUCT OF A RACE

E3.1 Races with Observers

The race committee may appoint race observers, who may be competitors. They shall remain in the control area, while boats are *racing* and they shall hail and repeat the identity of boats that contact a *mark* or another boat. Such hails shall be made from the control area. Observers shall report all unresolved incidents to the race committee at the end of the heat.

E3.2 Course Board

Rule J2.1(3) does not apply. A course board showing the course and the limits of the control area and launching area(s) shall be located next to or within the control area with information clearly visible to competitors while *racing*.

E3.3 Control and Launching Areas

The control and launching area(s) shall be defined by the sailing instructions. Competitors *racing* shall remain in the control area while a heat is in progress, except that competitors may briefly go to and return from the launching area to perform functions permitted in rule E4.5. Competitors not *racing* shall remain outside the control and launching areas except when offering assistance under rule E4.2 or when acting as race observers.

E3.4 Non-applicable Rules

The second sentence of rule 25 and all of rule 33 do not apply.

E3.5 Starting Races

Rule 26 is replaced with:

‘Audible signals for starting a heat shall be at one-minute intervals and shall be a warning signal, a preparatory signal and a starting signal. During the minute before the starting signal, verbal signals shall be made at ten-second intervals, and during the final ten seconds at one-second intervals. The start shall be at the beginning of the starting signal.’

E3.6 Starting Penalties

In rules 29.1 and 30 delete the word ‘crew’. Throughout rule 30 oral announcements shall replace the display of flag signals.

E3.7 Starting and Finishing Lines

The starting and finishing lines shall be tangential to, and on the course side of, the starting and finishing *marks*.

E3.8 Individual Recall

Rule 29.2 is changed. Delete all after ‘the race committee shall promptly’ and replace with ‘twice hail “Recall (sail numbers)”’.

E3.9 General Recall

Rule 29.3 is changed. Delete all after ‘the race committee may’ and replace with ‘twice hail “General recall” with two sound signals’. After the recalled start, the warning signal for a new start shall be made.

E3.10 Shortening or Abandoning after the Start

In rule 32.1(b) delete ‘foul weather’ and replace with ‘thunderstorms’. Rules 32.1(c) and 32.2 do not apply.

E4 PART 4 – OTHER REQUIREMENTS WHEN RACING

E4.1 Non-applicable rules

Rules 42.2(b), 42.2(c), 42.3(a), 42.3(c), 43, 47, 48, 49, 50, 52 and 54 do not apply.

E4.2 Outside Help

Rule 41 is replaced with:

- (a) A competitor shall not give tactical or strategic advice to a competitor who is *racing*.
- (b) A competitor who is *racing* shall not receive outside help except:
 - (1) A boat that has gone ashore or aground outside the launching area, or become entangled with another boat or *mark*, may be freed and relaunched only with outside help from a rescue vessel crew.
 - (2) Competitors who are not *racing* and others may give outside help in the launching area as permitted by rule E4.5.

E4.3 Propulsion and Prohibited Actions

- (a) In rule 42.1 delete all after ‘sails and hull’.
- (b) In rule 42.2(a) delete all after ‘releasing the sail’.

E4.4 Penalties for Breaking a Rule of Part 2

Throughout rule 44 the penalty shall be one 360° turn, including one tack and one gybe.

E4.5 Launching and Relaunching

Rule 45 is replaced with:

- (a) Except between the preparatory and starting signals, boats scheduled to *race* in a heat may be launched, taken ashore or relaunched at any time during the heat.
- (b) Boats shall be launched or recovered only from within a launching area, except as provided by rule E4.2(b)(1).

- (c) While ashore or within a launching area, boats may be adjusted, drained of water, or repaired; have their sails changed or reefed; have entangled objects removed; or have radio equipment repaired or changed.

E4.6 Person in Charge

Rule 46 is changed. Delete 'have on board' and replace with 'be radio-controlled by'.

E4.7 Moving Ballast

Rule 51 is replaced with:

During an event and unless class rules specify otherwise,

- (a) ballast shall not be shifted, shipped or unshipped;
- (b) except for replacements of similar weight and position, no control equipment shall be shifted, shipped or unshipped;
- (c) the position of rig counterbalance weights may be adjusted; and
- (d) bilge water shall not be used to trim the boat, but may be removed at any time.

E4.8 Radio

- (a) A competitor shall not transmit radio signals that cause interference with the radio reception of other boats.
- (b) A competitor found to have broken rule E4.8(a) shall not *race* until he has proven compliance with rule E4.8(a).

E4.9 Boat Out of Radio Control

A competitor who loses radio control of his boat shall promptly hail and repeat 'Out of control (the boat's sail number)'. Such a boat shall be deemed to have retired and shall be considered an *obstruction*.

E5 PART 5 – PROTESTS, REDRESS, HEARINGS, MISCONDUCT AND APPEALS

E5.1 Right to Protest and Request Redress

Add to rule 60.1(a): ‘A *protest* alleging a breach of a rule of Part 2, 3 or 4 shall be made only by a competitor within the control or launching area and by a boat scheduled to *race* in the heat in which the incident occurred.’ After the words ‘report by a competitor from another boat’ in rules 60.2(a) and 60.3(a) add ‘except when acting as an observer’.

E5.2 Informing the Protestee

In rule 61.1(a) delete all after the first sentence and replace with ‘When her *protest* concerns an incident in the racing area that she is involved in or sees, she shall twice hail ‘(Her own sail number) “protest” (the sail number of the other boat).’

E5.3 Protest Time Limit

In rule 61.3 delete ‘two hours’ and replace with ‘15 minutes’. Add ‘A protestor intending to submit a *protest* shall inform the race committee within five minutes of the end of the relevant heat.’

E5.4 Accepting Responsibility

A boat that acknowledges breaking a rule of Part 2, 3 or 4 before the *protest* is found to be valid may retire from the relevant heat without further penalty.

E5.5 Redress

- (a) Add to rule 62.1:
 - (e) radio interference, or
 - (f) an entanglement or grounding because of the action of a boat that was breaking a rule of Part 2 or of a vessel not *racing* that was required to *keep clear*.
- (b) The first sentence of rule 62.2 is changed to ‘The request shall be made in writing within the time limit of rule E5.3.’

E5.6 Right to Be Present

In rule 63.3(a) delete ‘shall have been on board’ and replace with ‘shall have been radio-controlling them’.

E5.7 Taking Evidence and Finding Facts

Add to rule 63.6: ‘Evidence about an alleged breach of a rule of Part 2, 3 or 4 given by competitors shall be accepted only from a competitor who was within the control or launching area and whose boat was scheduled to *race* in the heat in which the incident occurred.’

E5.8 Penalties and Exoneration

Instead of disqualification as provided by rule 64.1(a), the penalty for breaking rule E3.3, E4.2(a) or E4.5 may be determined by the protest committee to be

- (a) exclusion from the next race,
- (b) disqualification from the next race, or
- (c) one or more penalty turns that must be taken immediately after the boat has started her next race.

In these cases rule 64.1(c) does not apply.

E5.9 Decision on Redress

Add to rule 64.2: ‘If a boat given redress was damaged, she shall be given reasonable time, but not more than 30 minutes, to effect repairs before her next heat.’

E5.10 Reopening a Hearing

In rule 66 ‘24 hours’ is changed to ‘ten minutes’.

E6 APPENDIX G – IDENTIFICATION ON SAILS

Appendix G is changed as follows:

- (a) In rule G1 add ‘RSD’ after ‘ISAF’.

- (b) Rule G1.1(c) is replaced by: ‘a sail number, which shall be the last two digits of the boat registration number, allotted by the relevant issuing authority.’ Where this is a single-digit number, a ‘0’ shall be placed in front. Alternatively an owner may be allotted a personal sail number by the relevant issuing authority, the last two digits of which may be used on all his boats. Where this is a single-digit number, a ‘0’ shall be placed in front.
- (c) In rule G1.2(b) delete ‘and opposite’ and add to the table:

	<i>Minimum height</i>	<i>Minimum space between letters and numerals or edge of sail</i>
numbers on RC boats	100 mm	13 mm
letters on RC boats	60 mm	13 mm

Maximum dimensions shall be the minimum plus 10 mm. The space between marks on opposite sides of the sail shall be 60–100 mm. If a sail is too small to use the specified dimensions, smaller letters and numbers may be used, with 13 mm as the absolute minimum spacing.

- (d) Rule G1.3(c) is replaced by: ‘Sail numbers shall be placed above the national letters. There shall be space in front of the sail number for the prefix ‘1’, which may be prescribed by the race committee in the event of a conflict between numbers.’
- (e) Rule G1.3(e) is replaced by: ‘The sail number shall be displayed on both sides of the headsail.’