



AUSTRALIAN RADIO YACHTING ASSOCIATION

RACE MANAGEMENT MANUAL

2017

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INTRODUCTION

This manual was compiled in 2017 by the ARYA's Race Management Committee. The idea for the manual came about in an attempt to provide some uniformity in the management of ARYA Ranking regattas around Australia.

Ranking regattas count towards ARYA ranking points. Ranking points are the method by which skippers are selected to represent Australia in international regattas – either World or Continental regattas. Places awarded to Australia are offered to skippers in order of their ranking position at the closing of a ranking period. A copy of the current ARYA Ranking Regulations can be obtained from the ARYA website

It was decided that regattas that attracted ranking points should be managed in the same manner in various states around the country.

This manual does not replace any of the ISAF Racing Rules of Sailing, or Appendix E. Other rules that govern regattas are listed in the Notice of Race. None of those rules are replaced by this Manual.

This Manual is designed to assist Race Officers, Administrators, Measurers and Volunteers associated with the management of a regatta. It is broken into different areas as follows: Race Management Policy, Administration, Volunteer notes and Documents.

Thank you to the members of the Race Management Committee, who have contributed to producing this manual. In particular, thank you to Bill Clancy, Scott Backhouse, Dr Dayle Smith, Ross Bennett and Sean Wallis. Thanks also to Bruce Robins for editing and Ron Fawcett for final formatting of the document.

Glenn Dawson
Chairman
Race Management Committee

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RACE MANAGEMENT POLICIES FOR ARYA RANKING EVENTS

Please note that these policies are guidelines for the Race Committee. Failures to observe these guidelines are not grounds for redress.

1. General Principle

The policies set out in this document are intended to ensure that an event Race Officer (RO) and Race Committee are provided with sufficient guidelines to ensure that the standard of racing expected by those competing in an ARYA Ranking event is fair and is of the highest possible standard available.

The overarching principle is that the regatta must be managed so that the racing is fair for all competitors.

2. Definitions

2.1 Race Committee - the Race Committee is appointed by the Organising Authority (see RRS 89.2(b)). The Race Committee is responsible for conducting all aspects of racing on the water. The Race Committee shall publish written ARYA Standard Sailing Instructions and conduct and score the race or event as required (see RRS 89 and 90).

The Chairman of the Race Committee may be the Race Officer. If not, the Chairman liaises closely with the Race Officer who is the “on-the-water manager”. The Chairman supports and directs the Race Officer by carrying out tasks on shore, including the multiple administrative tasks that a Race Committee is required to carry out (changes to the Sailing Instructions, changes of equipment, initiating Race Committee protests etc.)

Members of the Race Committee are Race Officers, Starting Officials, Finishing Officials, Fleet Board Managers, Course Layers, Time Keepers and Finishing Recorders. The Race Committee may also appoint Observers under rule E5.1.

2.2 Race Officer – a Race Officer (RO) appointed or approved by ARYA or the Organising Authority for the regatta has the overall responsibility for the conduct of all on-water racing.

The RO should be an experienced sailor with a sound knowledge of the Racing Rules of Sailing. The RO should also have experience in running regional ranking events and events using HMS prior to being appointed the RO of a state or national event.

The RO will have responsibility for all on-water race matters and has the authority to make decisions on these matters without the need to consult the Race Committee.

If time or situation allows further consultation, the RO may consult the Race Committee as required.

3. Times/Timing/Changes in Schedule

- 3.1 Times will be based on local time as provided by local mobile phone services, unless otherwise indicated. All times will be advertised using the 24-hour clock format.
- 3.2 A shortage of time or an insufficient number of completed races is not a basis for varying these policies.
- 3.3 The commencement of racing shall be as close as practicable to the time listed in the Notice of Race. No heats will be started ahead of schedule, except as provided for in the Sailing Instructions.
- 3.4 After a postponement of more than 10 minutes, to alert competitors that racing will recommence; an acoustic announcement will be made, with one sound signal at least five minutes before the warning signal of the next race. The starting sequence for the next race will not commence earlier than 5 minutes from this announcement, and may be longer depending on the conditions.
- 3.5 If racing is stopped for a substantial period due to wind or safety conditions, lunch may be taken early and, on resumption of racing, further breaks may be taken at the discretion of the Race Officer.
- 3.6 Starts will not be delayed for competitors to reach the race area if they could have arrived with reasonable diligence. Consideration should be given for boats that have been promoted or demoted from an earlier heat, as they may need to check the fleet board to confirm their fleet allocation.
- 3.7 The Race Committee will use the whole of the scheduled sailing times if necessary. Racing will not conclude prior to the scheduled finishing time without the unanimous agreement of all competitors.

4. Decision to Race

- 4.1 Before the event starts the Race Committee will consider the conditions under which a heat may be postponed. These conditions should be announced at the initial competitors briefing.
- 4.2 Racing will be started at the scheduled time if the wind conditions and visibility are within the parameters outlined in these policies. Waiting for 'better' conditions may be unfair, and will be avoided.
- 4.3 The Race Committee can wait for the wind to 'stabilise' prior to commencing racing. Stable wind is a condition in which the regatta can be managed so that racing is fair to all competitors.
- 4.4 The start may be postponed if a major wind shift is expected based on a known pattern or other reliable information (example: a sea breeze can be seen in the distance and is expected to fill in). Otherwise, the Race Committee will start racing as soon as practicable after the scheduled time.
- 4.5 Decisions regarding postponing or abandoning a heat should be based on the boat-handling that can reasonably be expected from a competent, but not expert, sailor.

- 4.6 A heat should not be started if boats are unable to manoeuvre to start, have insufficient manoeuvrability during the race to safely avoid a collision and complete the course within the time limit. The RO may consult the Race Committee before postponing a heat for this reason.
- 4.7 A heat should not be started when high wind speeds, combined with sea conditions, current, rapid changes in wind speed or any other factors, affect the safety of boats, sailors, the Race Committee and vessels. The RO is encouraged to consult his/her team where possible.
- 4.8 A heat should not be started if the whole course area is not visible from the control area. Example: there could be some showers up one end of the course moving away or fog obscuring marks of the course or excessive glare making it difficult to see boats and marks. The RO should make a judgment call and may elect to start the race. In the event that the judgment proves to be incorrect, the RO may postpone the heat or race if required. Conditions may never be perfect, as long as they are fair.

5. Sighting the Starting Line/Timing/Signaling/Recording

- 5.1 Whenever practical, the Official managing race starts will be an appropriately experienced person, who will be designated as the Start Official. The RO may choose to perform this task.
- 5.2 The Start Official should consider using a sighting device to visualise the line.
- 5.3 The Start Official or an Assistant may use a hand-held voice recording or video recording device and record, without stopping, from at least 1 minute prior to the starting signal until after the start. A commentary of anything of interest will be recorded (such as boats getting close to the line, bunching, etc.) The recording will cease once anything of interest has concluded after the start.
- 5.4 If records are made, they will be preserved until after the conclusion of the entire event. If digital recorders are used, each day's recording will be saved and indexed for easy retrieval.

6. Calling an Individual Recall - OCS

- 6.1 If a boat or boats are on the course side of the starting line at the start, the Start Official will call either an individual recall or general recall immediately.
- 6.2 If the Start Official is able to identify each OCS boat they will call an individual recall. RRS E3.5 requires the Official to call "Recall sail number, Recall sail number".
- 6.3 If the Start official is unable to ascertain the sail number of the OCS boat immediately, they may call some other identifier (eg: the blue boat at the pin end) until the sail number is identified.
- 6.4 If the RO is unable to call the sail number immediately, they may consult with

his/her fellow Start Officials to confirm the sail number of the offending boat and then call the numbers deemed to be OCS at the start.

- 6.5 If the sail number of the boat judged to be OCS is not able to be identified within 1 minute after the start, the Start Official should then abandon the race and restart the race.
- 6.6 In no circumstances will an individual recall be signalled later than 5 seconds after the starting signal.

7. General Recall

- 7.1 When the Start Official is not satisfied that all boats on the course side of the starting line prior to the start signal (or that have broken rules 30.1, 30.3) have or can be identified, a General Recall will be called.
- 7.2 If a race management error is discovered after the starting signal (e.g. timing, incorrect boats scheduled to sail), the Race Committee will abandon the heat. In these circumstances, the Race Committee will not signal a general recall.
- 7.3 If a start has been postponed, or a General Recall has been caused by the length or angle of the starting line, the Race Committee will adjust the starting line and make another attempt to restart the race.
- 7.4 The U flag (RRS 30.3) or Black flag (RRS 30.4) will only be used when repeated general recalls are caused by the skippers or boats themselves, or rapid oscillations of the wind, and not by actions of the Race Committee.
- 7.5 When using RRS 30.3 (U flag) or 30.4 (Black flag), the Race Committee will make every effort to signal a postponement as soon as any subsequent problems with the starting line become evident.

8. Postponing A Race During The Starting Procedure

- 8.1 RO or Start Official should postpone a race during the starting procedure in response to adverse conditions depriving boats of a fair chance of a good start. These may include, but are not limited to:
 - a) a significant shift in the median wind direction
 - b) a drifting mark
 - c) other boats interfering with the boats starting
 - d) inappropriate length or angle of the starting line
 - e) a reduction in visibility affecting the ability of the Race Officer/s to sight the line, or identify premature starters
 - f) errors in the timing of the start, or in the timing signals
 - g) any other factor affecting the fairness of the start for all competitors
- 8.2 if any wind shift occurs before the starting signal such that it significantly increases the risk of a general recall.

- 8.3 In case of any problems with the starting line as described above, a postponement may be signaled up to the last second before the start.
- 8.4 In rapid wind oscillations the RO or Start Official will endeavour to lay a starting line based on the mean oscillations expected.
- 8.5 If the Start Official determines that adjusting the starting line is likely to improve the chances of a fair start without a general recall, then a postponement up to the last second prior to the start may be considered.
- 8.6 For a postponement that the Race Committee anticipates will be longer than ten minutes, an acoustic announcement will be made. Prior to recommencement of racing, an announcement and sound signal will be made approximately 5 minutes prior to the warning signal of the next race, as described in Clause 3.4.

9. Abandonment

1. The Race Committee may abandon the heat if the conditions change such that, after the start, a fair race can no longer be conducted. Some examples might be if:
 - a) after starting, boats can fetch the windward mark on one tack - although this is not necessarily a cause for automatic abandonment.
 - b) boats can fetch the next mark of the course on one tack on both the windward and the downwind leg of the course. At a major event at least one of the main legs of the course must be a beat, however the course may invert and the beat may be on what was designated as the downwind leg.
 - c) wind changes occur that subsequently destroy what was intended of the course such as a windward and return course turns into a reaching only course.
2. The heat or race will not be abandoned for these reasons when at least one boat has rounded the last mark of the course and is sailing to the finish or has already finished.
3. The Race Committee may abandon a heat/race if the whole of the course area is not visible from the control area at any time during the heat/race.
4. The Race Committee may abandon the heat when it is unlikely that the leading boat will complete the course within the overall time limit, even if a new wind were to arrive. The further into the heat, the less likely it is that the Race Committee will abandon. The RO is encouraged to consult the Race Committee before abandoning a heat for this reason.
5. A heat should not be abandoned due to high wind speeds, combined with sea conditions, current rapid changes in wind speed or any other factors, except when the safety of boats, sailors, the Race Committee and vessels is affected. The RO is encouraged to consult the Race Committee before abandoning a heat for this reason, as this decision could be controversial.
6. The Race Committee will consider abandoning the race if it determines that an outside influence has made the heat unfair. Every effort will be made to ensure

that other vessels do not interfere with racing. The RO may consult the Race Committee before abandoning a heat for this reason.

7. Competitors will be reminded that the decision to race, or to continue to race, is their sole responsibility, as outlined in the Sailing Instructions and in RRS 4.

10. Courses/Course Board

10.1 The Race Committee will endeavor to set a course so that boats are evenly spread:

- a) along the start line;
- b) on each side of the beats;
- c) on each side of the runs;
- d) at the gate.

This is intended to define what is a 'good course'. It is both a target, and criterion for evaluation after the heat in a self-evaluation process.

10.2 The Race Committee will attempt to set the length of the course as follows:

- a) the longest possible first leg within the constraints of the course area.
- b) a course that will achieve a target time of between 10 and 15 minutes for the lead boat to complete, depending on the prevailing conditions. The seeding races may be slightly longer in duration.
- c) the course length will be laid to give the first boat of each fleet the best chance of achieving the target time.

10.3 Gates should be approximately 8 hull lengths wide and laid square to the mean sailing wind. Variations in width and angle may be appropriate to adjust for current or other prevailing conditions.

10.4 The offset mark should be at least 5 hull lengths from the windward mark at right angles to the direction of the windward leg. Boats should leave the windward mark before entering the offset mark zone.

10.5 All mark rounding should be consistently port or starboard. Port-hand rounding is preferred at a windward mark.

10.6 In shifting winds, it is advisable to set two different sets of windward/offset marks. This allows the RO to announce which set of marks the boats will round prior to the race. This allows racing to continue because the course does not have to be moved frequently. Marks used for a change of course (i.e. alternate rounding marks) should be of a different colour to the original course marks.

10.7 It is common to number the marks for easy identification. If the size of the number on the marks is of the same dimensions as the sail number for the class being sailed, it assists judging as to whether any mark has been set too far away if the number cannot be reliably read. It also means that a sail number will not be reliably read, leading to increased frustration by sailors wishing to protest, and increased rule flouting by sailors exploiting the poor visibility.

10.8 Usually, a change of course is not necessary with wind shifts of 5-15°. Consider

changing the course when the wind shift is 20 degrees or more. However, be ready to adjust the starting line bias if the wind shifts by more than 10 degrees.

- 10.9 The course must be shown on the course board. Experience has shown that the course should not be “explained” by the RO. The course board must speak for itself. If competitors remain puzzled or confused after consulting the course board, it needs to be improved or corrected. Experience has also shown that the course to be sailed should not be illustrated on the course board with drawings or lines connecting marks or by showing the rhumb lines. Instead, the board should simply state the course as a list of lines and marks, for each mark whether they should be passed on port or starboard.
- 10.10 The course board must be positioned so that it is visible to competitors while they are racing (RRS E3.3). This can be an onerous requirement, and considerable care might need to be given to satisfying it.

11. Setting the Course to a New Wind Speed or Direction

- 11.1 The Race Committee will consider re-setting the course following a change in wind direction. The course will definitely be re-set if:
 - a) after starting, boats can fetch the windward mark on one tack;
 - b) boats cannot cross the starting line on both tacks.
- 11.2 The Race Committee will endeavor to set a new course so that the new course meets the requirements of Clause 10 - Courses.
- 11.3 The Race Committee will re-set the length of the course following a change in wind speed so that the new course meets the requirements of Clause 10 - Courses.
- 11.4 If the course, and hence the course board, is changed, the Sailing Instructions require the RO to make a sound signal to alert all competitors to the change, and not just those who happen to be nearby when the change is made.

12. Setting the Starting Line

- 12.1 Starting lines will generally be laid square to the median sailing wind, or with a very slight port end bias. Current, favoured side of the course, expected wind shifts and other variables may justify variation from this guideline.
- 12.2 During the course of the event, it will become obvious to the RO if one end or other of the line is considered favoured by the competitors. The RO should observe how the fleet reacts to the bias on the first starting line and adjust as required for subsequent starts. The RO should carefully observe competitor behaviour at the start and, regardless of what the wind vane or other indicator devices might thereafter be showing, continually re-adjust the line bias until the competitors spread themselves relatively evenly along the start line. This establishes a fair starting line.

- 12.3 The Race Committee will use the following guide to determine the length of the starting line. A larger multiplier may be used in strong winds or heavy seas.
- 12.4 The minimum Starting Line length = number of boats x boat length x 1.5

13. Finishing Line/Finishing Procedures

- 13.1 The finishing line is generally set at 90 degrees to the direction from the last mark of the course. On many occasions this will also be at 90 degrees to the wind direction but this is not necessarily so.
- 13.2 If a separate finish line is set, it should be relatively short: 12-15 boat lengths, depending on the fleet size, the type of boats competing and the weather conditions. A short finishing line may decrease the chance of massive group finishes; it significantly reduces the margin of error and therefore reduces the possible advantages that may be created by the movement of either end of the line.
- 13.3 It is recommended that finishes generally be upwind finishes. If this is not practical, consider using a short reaching leg to a finish line which is easily viewed by the finishing team. Generally, downwind finishes are to be avoided, as the Finish Officials will find the sail numbers too difficult to read.
- 13.4 Whenever possible, there should be a minimum of two Finish Officials. Ideally, at least one of the Finish Officials will be an appropriately experienced Race Officer.
- 13.5 At least one Finish Official should use a line sighting device to visualise the line.
- 13.6 At National events, one line Finish Official will use a hand-held recording device to record the order of finish.
- 13.7 It is recommended that video recordings of the finish of races be made, particularly when promotion and relegation through fleets is in operation.
- 13.8 If video or audio recordings are used, they will be labelled and preserved until after the conclusion of the entire event. If digital recorders are used, each day's recording will be saved and indexed for easy retrieval.
- 13.9 A written record of the finishing order will also be maintained. However, the voice recording will take precedence in the event of a conflict with the written report.
- 13.10 The instant the first boat finishes, sound a clearly recognisable signal (e.g. an air-horn blast or a whistle), so that the other competitors have a time reference to the first finish. Record the hour, minute and seconds, and calculate the time-out limit for the remainder of the fleet. An audible "end of time" signal for the race is useful.
- 13.11 Every boat should be recorded as she crosses the finish line. However, a boat may be subsequently disqualified without a protest hearing if it did not start, did not finish or did not sail the correct course, or was disqualified under a "U flag" or "Black flag" at the start of the race - see RRS A5.1.

14. Progression of racing – requests for time.

- 14.1 Requests for time for rig changes should be considered in context. If it is clear that conditions have altered and a number of skippers request time to change their rig, then it is fair to allow all skippers time. If conditions have not changed, or if skippers have been given time very recently to change rigs, but skippers have decided not to make use of it, then keep the racing moving.
- 14.2 Allow time for boats that have been promoted or demoted and are scheduled to sail in the next heat to change rigs when requested. At all times, ensure the principle of fairness for all competitors is followed.
- 14.3 If a boat is given redress because she was damaged, her redress shall include reasonable time, but not more than 30 minutes, to make repairs before her next heat/race.
- 14.4 Time is not normally permitted for the purpose of changing batteries, except for a boat which has just completed a heat and is scheduled to sail in the next heat.

15. Fleetboard administration

- 15.1 The major control mechanism for a radio sailing fleet event is the fleet control board. This provides the heat composition, (i.e. the list of boats in each heat), for the currently scheduled race. The fleet control board requires continuous updating as the results from a heat arrive, so the promoted boats can be identified and placed into the next higher heat. It is important that the Race Officer pay close attention to the management of the fleet board, particularly that the board is only amended by authorised personnel.
- 15.2 It is important that the promoted or demoted boats in a heat are able to easily determine their status. This is usually done by updating the fleet control board, but less formally may involve a competitor being allowed to approach the Recorder after all boats racing in the heat/race have been recorded to check their position, or more formally may involve explicit notification from the RO.

16. Corrections Due to Scoring Errors or Requests for Redress

- 16.1 The Race Committee will adjust posted finishing places if it is satisfied that, based upon its records or observation, it has made a scoring error.
- 16.2 If the Race Committee believes it may have made any other error affecting the outcome of the race for which redress may be available, it may request redress on behalf of the potentially affected boat(s).
- 16.3 The Race Committee will consider requesting redress on behalf of a boat if it is satisfied that that boat's score has been made substantially worse by the actions of an official boat.
- 16.4 A common error is to fail to schedule the correct boats in a heat. In such

circumstances, the Race Committee should NOT attempt to “fix” its error by, for example, declaring the heat or race abandoned after the heat. Instead, it should initiate a request for redress for the boat(s) concerned under RRS 60.2(b), or by asking the boat(s) concerned to submit requests for redress under RRS 60.1(b).

17. Race Committee Protests

- 17.1 Since the primary responsibility for protesting breaches of the rules rests with competitors, the Race Committee will not normally protest a boat.
- 17.2 The Race Committee may protest a boat in the following circumstances if the boat:
- a) committed a breach of a sailing instruction that may not be protested by another boat;
 - b) committed an apparent breach of good sportsmanship (Rule 2);
 - c) failed to take a penalty after knowingly touching a mark, but not exonerating herself by protesting another boat for an infringement at that mark.
 - d) did not complete a penalty turn
 - e) did not attempt to sail clear in order to commence a penalty turn as soon as possible after an incident
 - f) caused serious damage to another boat
 - g) gained a significant advantage as a result of infringing another boat
 - h) was named in an observer’s report of an unresolved incident.
- 17.3 Note that RRS E6.4 requires a competitor to communicate an intention to protest, and RRS E6.5 gives a competitor time, and a time limit, for the actual submission of a protest. This means that the next heat shall not start if an intention to protest is received, in the event that the protest could affect the composition of that heat. It is often possible to start the next heat provided the next heat cannot be affected by the outcome of the protest.
- 17.4 It may well be regarded as a desirable courtesy to inform any OCS boats or other disqualified competitors in person, giving them ample time to consider their rights to request redress.

18. Results

- 18.1 Progressive results should always be available on the official notice board. It is unsatisfactory if competitors are not kept up to date of their current position and are not able to check that their finishing positions have been correctly recorded. Worse is the possibility that local competitors may obtain knowledge of their positions through familiarity with the Race Committee or scoring personnel when such knowledge is not freely available to other competitors. The result sheet will be the official source of information and, in terms of the rules, is all that is required.
- 18.2 Results will be calculated using the ARYA-approved version of the Heat Management System and the State Secretary will forward the final results to the ARYA, as per the ARYA Ranking regulations.

19. STANDARDS FOR ARYA RANKING EVENTS

There are three types of ranking event in Australia – National Championships, State Championships and Regional Championships. The volunteer base for running these events will vary according to the level of the event and the location in which the event is held.

There are a number of elements of the race management structure that are required to ensure that these events are run to a minimum standard throughout the country. In addition, there are a number of elements of race management that are desirable to be utilised where possible.

The availability of volunteers is always a challenge. People who give up their time and sailing so that others can race are invaluable. There are times at which there are few volunteers, and several of the race management positions might need to be filled by the same individual.

A National Championship will have greater significance and attracts a greater point score than the other regattas, so necessarily will have greater race management requirements. The following table shows items that are mandatory (M), and those that are desirable (D) at a regatta.

	Race Management	National	State	Regional
Volunteers	Experienced Race Officer	M	M	M * ₁
	Boat Driver	M	M	D
	Scorer/Start/Finish Judge	M	M	M
	Observers (may be competitors)	M	M	D
	Protest Committee Chairperson	M * ₂	D	D
Administration	Notice of Race lodged 6 weeks prior to event	M	M	M
	Weighing boats at registration where required	M	M	D
	Providing running scores	M	M	D
	Notice Board and Course Board	M	M	M
	Fleet board for HMS fleet racing	M	M	M
	Prohibit smoking in launch and control area	M	M	M

Publications	Sailing Instructions available for skippers onsite	M	M	M
	Protest forms / Rules Book	M	M	D
	HMS (for fleet sailing)	M	M	M
	Unavailable Measurement Certificate declaration form	M	M	D
Racing	2-minute Countdown timer	M	M	D
	Upwind start and finish	D	D	D
	Windward/Leeward course with Gate	M	M	D
	Launching and Control Areas – on course board	M	M	M
	Finishing Voice recorder/Video recorder	M	D	D
Infrastructure	Toilet facilities	M	M	D
	Shade	M	D	D
	Lifejackets for everyone in the boat - ARYA Insurance requirement.	M	M	M
	Grandstand structures must be erected by licenced contractors. ARYA Insurance requirement.	M	M	M

Note 1: Regional events may be used to give less experienced Race Officers the opportunity to improve their skills. Please provide any less experienced Race Officer with support to assist them to have the chance to gain experience.

Note 2: Protest Committee Chairperson for fleet regattas.

20. REGATTA ADMINISTRATION AND PLANNING

The purpose of this document is to assist Committees planning a major event by providing a list of the requirements to host the regatta.

VOLUNTEERS

Some positions may be able to be covered by the same individual, however the following positions should be considered:

Race Officer	Assistant Race Officer
Scorer	Start / Finish recorder
Boat Driver	Observers
Protest Committee Chairperson	Measurer / Measuring team

INFRASTRUCTURE

Major items that are required to ensure the regatta operates effectively, even in bad weather.

Event Headquarters	Toilet facilities
Shade structures	Launching Ramp
Overnight Storage	

ON-WATER EQUIPMENT

Items that are required to ensure the regatta can operate efficiently on-water.

Rescue Boat	Motor
Battery/Fuel for motor	Life Jackets
Boat wind indicator	Spare oars
Course Buoys	Spare buoys/weights/tackle
Walkie Talkie set	Fuel container/spare fuel
Battery Charger/Spare battery	

ON-LAND EQUIPMENT

Items that are required on the shore, to ensure efficient operation and management of the regatta:

Notice Board	Course Board
Fleet Board	Scoring Computer
Printer	Power Source – generator
Tables and Chairs	Control area markers
Starting Equipment – countdown timer	PA system
Magnetic labels for fleet board	Observers Bibs
Australian Flag (Nationals)	Promotional Flags

Eskies	Rubbish Bins
Measurement Scales	Measurement equipment
Finishing Video Recorder	Padlock for storage/regatta office

CONSUMABLES

Items that are consumed in the process of running the event:

Ice	Drinks
Sunscreen	Insect repellent
First Aid Kit	Paper for printer
Spare ink Cartridge for printer	Rubbish Bin bags
Name Tags & Pouches	Pads for Observers
Pens/White Board markers	Fuel for Boat motor
Fuel for Generator	

PUBLICATIONS

Printed materials that are required for reference or use:

Notice of Race	Sailing Instructions
Protest Forms	Finishing record sheets
Event Program/List of competitors	Heat Management System
Racing Rules of Sailing Book	Case Book
International Class Rules	Equipment Rules of Sailing
Unavailable Certificate Declaration	Arbitration system for protestss
Race Management Manual	

ENTRY, REGISTRATION and MEASUREMENT

Preliminary items:

Website/Online Entry	Competitors List
Welcome Pack	Measurement Venue
Measurement Procedure	Stamp for marking fins, rudders, batteries etc.

CATERING / SOCIAL

Decide whether you will be providing meals for participants:

Lunches	Person to collect lunches
Presentation Function	After-sailing drinks
Social Function	

OTHER

Many items go towards making a regatta successful. The following should be considered:

Finance – Budget	Sponsorship
Merchandise – Event shirts / hats etc.	Perpetual Trophies
Individual Trophies	Thank-you gifts for Volunteers
Social event for wives / partners	ARYA Annual General Meeting (Nationals)
Event promotion - local	

There may be other items required for different venues that don't appear in these lists.

If there are any additional items which have not been included, the Race Management Committee would appreciate hearing from you.

21. REGATTA CHECK MEASUREMENT

The following lists describe the measurements that ARYA considers might be checked at a ranking regatta. Some of these items are suggestions only. Some elements are considered to be mandatory. Mandatory items are marked with **Bold red ☐s**.

The more “☐”s that are placed alongside a check measurement, the more important it is for the regatta measurer to scrutinize that item.

International One Metre Class	Regional	State	National	Action for non-compliance
Verify Registration Certificate with boat number on hull and sail numbers.	☐☐☐☐☐	☐☐☐☐☐	☐☐☐☐☐	Complete form, provide copy within 1 week
Confirm all sails are signed, dated and have ARYA stickers (sails after 2014)	☐☐	☐☐☐☐☐	☐☐☐☐☐	Skipper to consult local measurer
Weigh boat with each rig in dry state	☐☐	☐☐☐☐	☐☐☐☐	Counter weights
Weigh keel	☐	☐☐☐☐	☐☐☐☐☐	Reduce weight
Check bumper measurement			☐	Replace bumper
Check sail markings for compliance		☐☐☐☐	☐☐☐☐☐	Rectify
Check deck limit mark		☐☐☐	☐☐☐☐☐	Place mark on hull
Float and check draft			☐☐	Rectify
Check LOA			☐☐☐☐	Rectify
Weigh rudder			☐☐	Replace underweight rudders
Stamp weighed batteries			☐☐	Disqualify boats sailing with unstamped batteries

International Marblehead Class	Regional	State	National	Action
Verify Registration Certificate with boat number on hull and sail numbers.	☐☐☐☐	☐☐☐☐	☐☐☐☐	Complete form, provide copy within 1 week
Confirm all sails are signed, dated and have ARYA stickers	☐☐☐☐	☐☐☐☐	☐☐☐☐	Skipper to consult local measurer
Check draft of boat using template			☐☐☐	Rectify
Check that limit marks comply with certificate		☐	☐☐☐	Rectify
Check bumper measurement			☐	Replace bumper

Check sail markings for compliance		□□□	□□□	Rectify
Check draft with Depth Restriction Gauge			□	Rectify
Check LOA		□	□□	Rectify

International Ten Rater Class	Regional	State	National	Action
Verify Registration Certificate with boat number on hull and sail numbers.	□□□□	□□□□	□□□□	Complete form, provide copy within 1 week
Check measurement forms for Sail 1, Sail 2 and Spars with same hull number.	□	□□□	□□□□	Rectify
Check Master sail has been measured, signed, dated and have ARYA stickers.	□	□□□□	□□□□	Skipper to consult local measurer
Check a randomly selected sail measurement		□	□□□□	Rectify
Check all sails to be used fit inside the Master sail		□□	□□□□	Rectify
Confirm all additional sails are signed & dated	□	□□	□□□	Rectify
Check that LWL limit marks comply with certificate			□□	Rectify
Check bumper measurement			□	Replace bumper
Check sail markings for compliance		□	□□□□	Rectify
Float and check draft			□	Rectify
Check LOA			□	Rectify
Weigh boat in sailing condition. Weight shall not be more than plus or minus 0.05kg of weight recorded on certificate.			□	Rectify (applies to boats measured after 1 Jul 16)

International A Class	Regional	State	National	Action
Verify Registration Certificate with boat number on hull and sail numbers.	□□□□	□□□□	□□□□	Complete form, provide copy within 1 week
Confirm all sails are signed, dated and have ARYA stickers.	□□□	□□□□	□□□□	Skipper to consult their State measurer
Check "J" measurement marks comply with certificate		□□□□	□□□□	Rectify
Check a randomly selected sail measurement		□	□□□□	Rectify
Check bumper measurement			□□	Replace bumper
Check sail markings for compliance		□□	□□□□	Rectify

Check Owners flag		□□□	□□□□	Rectify
Weigh boat		□□	□□□	Rectify
Check A, B and I measurements			□□	Rectify

22. JOB DESCRIPTIONS

22.1 RACE OFFICER

The Race Officer (RO) is the on-water-manager, who lets his team get on with their jobs with limited interference. The RO considers the bigger picture and maintains an overview of what goes on around the entire course. The RO may listen to, but be immune from all or any requests for changes suggested by any interested competitor.

The following is a list of tasks to be performed by the RO who may delegate some of the tasks if suitable personnel are available. However, the RO remains responsible to ensure they are completed correctly.

1. REGISTRATION:

Check the Master Entry list with the Registration Officer. Establish if any entrants have not completed the registration process.

Check with the Measurer that all boats have been check measured, and record any problems.

Check the Master Entry list with the Scorer.

2. SAILING:

2.1 Set the Course.

1. Decide whether you wish to enlist specific helpers to assist in decision-making. Try to avoid having input from too many people.
2. Take note of the position of the sun and whether participants will be looking into glare throughout the day – avoid if possible.
3. A fair start line should be between 1.3 and 1.5 times the sum of the total boat lengths in the race, depending on conditions.
4. Attempt to set a slight bias towards the port end of the line to encourage a spread of boats on the start line.
5. Attempt to set the first leg of the course as long as possible directly into the wind.
6. Offset marks after the windward mark should be at least 5 boat lengths from the windward mark and be able to be fetched easily without having to tack.
7. Try to set port rounding courses and use a gate at the bottom of running legs. Try to set the gate so that either rounding mark is a viable option. A triangle/windward/leeward/triangle/beat to finish course can be used for variation.
8. Ensure both start and finish lines are visible from the control area. Start lines should have sufficient water behind them for pre-start manoeuvring.
9. Attempt to set the course so that the races take between 10 and 15 minutes for the leading boat to complete..

2.2 Complete the Course Board

The Course Board should contain the following information:

1. Course.
2. Description of the buoys – buoy number or colour
3. The sequence and direction the buoys are to be rounded
4. Control area
5. Launching area.

2.3 Check on your Race Committee

Ensure Boat Drivers and Race Observers are present and know their positions.

3. BRIEFING.

At the Skippers Briefing, address the following topics:

1. Welcome, Thank Sponsors
2. Location of Regatta Headquarters, Official Notice Board, Scoreboard, Fleet Board and Course Board
3. Location of Staging area, Launching area, Control area
4. Start procedure. Sound signals for warning skippers.
5. Fleet procedures. Number of promotion and relegation positions
6. Introduce Officials
7. Rescue boat procedures
8. Housekeeping – toilet facilities, sunscreen, water etc.
9. Time for racing to conclude.
10. Time for first heat to commence.

4. SAILING:

1. If racing in fleets – announce the sail numbers for boats in the next heat – (or delegate)
2. Call Boats in the water – One minute to tape.
3. Record boats who enter water (starters) and those who don't (non-starters) in conjunction with the scorer/finish official.

5. START:

The start line is a line on the course side of the start buoys. Position yourself so you can look directly along the line.

1. If all boats start correctly: hail "All Clear".
2. If there is an individual recall: hail "Recall 76, 99; Recall 76, 99".
3. If you are unable to identify all boats over: hail "General Recall".
4. Record the start time.
5. No boat to start once the first boat has crossed the finish line.
6. A heat or race taking > 30 minutes may be abandoned.
7. Record boats on the course side of the line at the start (OCS), that do not return to pre-start side of line.
8. In the event of a General Recall, restart tape for another 2-minute countdown and announce "round the ends" and/or fly Code flag I if RRS 30.1 is in force.
9. If you decide to call a U flag (RRS 30.3) or Black Flag (RRS 30.4) Start – announce "Uniform Flag" or "Black Flag" start.

10. After either a U flag (RRS30.3) or Black flag (RRS30.4) have been called, any boat sailing in the triangle formed by the start marks and the windward mark, in the minute prior to the start, will be disqualified and asked to leave the race course.

6. SHORTENED RACE:

In the Racing Rules of Sailing, RRS 32 as amended by E3.8(c) states that courses may not be shortened. The Time Limit for the race should be watched closely during very light wind races.

7. ABANDONED RACE:

Abandon a race as a last resort. The decision to abandon is generally only used if:

1. The start was unfair.
2. There was a major windshift during the race which severely disadvantaged a significant portion of the fleet.
3. There is no requirement to abandon a race solely if the leading boat sails to the first buoy without tacking.
4. To abandon a race: Hail "Race Abandoned, Race Abandoned."

8. FINISH:

A boat finishes when any part of her hull crosses the line on the course side of the finishing buoys. She does not have to completely cross the finish line.

1. Position yourself so that you can see the finish line.
2. Call the numbers of the boats as they finish.
3. If a boat crosses more than once, record it both times.

Record the finish time of the first boat to finish the race. The Time-Out limit is that all boats have 5 minutes following the race winner crossing the finish line, in which to complete the course.

FOR HMS ONLY: In light airs, if the fleet is well spread, note the places of the boats as they round the last mark. If the 5 minute Time-Out limit expires, and there are 4 boats or fewer on the course, immediately record their finishing places as if they had finished at that point.

If more than 4 boats are still racing, the Time-Out limit is extended until there are only 4 boats still racing, at which time the final 4 boats are recorded as if they had finished at that point.

Once the time limit is reached, hail "Time! Boats still racing will be scored on the water"

NOTE: There is no Time-Out limit in Race One.

9. AFTER FINISH:

Check with Observers for any outstanding infringements.

1. A boat that finishes, but has been observed not to have sailed the course correctly (missed a buoy, hit a buoy etc.), should have their finishing position recorded.
2. The Race Officer can disqualify a competitor without a protest under RRS A5.1. The situations when a unilateral disqualification can be awarded are:
 - a. a boat did not start, sail the course or finish.
 - b. a boat did not comply with either U flag or Black flag requirements.
3. Are there any protests from competitors?
4. Competitors intending to protest should advise the Race Committee at their earliest reasonable opportunity of their intention to protest. A protest, request for redress or request for re-opening should be delivered to the Race Officer no later than ten minutes after the last boat in the heat crosses the finish line, or after the incident - whichever is later..
5. Protest conditions are listed in the Sailing Instructions for the event.
6. Requests for redress require a protest.

10. BEHAVIOUR:

The Race Officer should be aware of any skippers who are showing signs of using loud, intimidating, aggressive, bullying behaviour or language. The Race Officer has the option of taking skippers who ignore warnings to protest under Rule 2 – Fair sailing, or in the event of severe situations, Rule 69.

11. SAFETY:

The Race Officer should familiarise him/herself with the provisions of the ARYA Severe Weather Guidelines included in this Race Manual and be vigilant in this regard.

12. GENERAL:

In the event of there being low wind, make a decision to postpone racing if the boats cannot manoeuvre properly.

If there are fleets, and the A fleet has not commenced before the advertised finish time, the final race will be abandoned.

Regularly communicate with the Scorer to ensure everything is OK with the scoring.

Lunch may be called early in the event of poor sailing conditions (low wind, unstable wind etc.), in the hope that conditions may stabilise, and racing can commence after the break.

22.2 START/FINISH LINE OFFICIALS

References:

- A. RRS Appendix A
- B. HMS and
- C. HMS - Advice to Competitors and Race Committee

1. BOATS IN THE WATER

- 1.1 Your duties form part of the responsibility of the scoring team and, as such, you come under the control of the Race Officer through the Head Scorer.
- 1.2 In the event that there are fleets and the HMS is in use, where possible, call the sail numbers of the boats that are scheduled to sail in the next heat. It is not your responsibility to ensure the correct boats are on the water - the onus is on the skippers to ensure they know in which fleet they are scheduled to sail.
 - 1. Record the numbers of the boats that enter the race area.
 - 2. Record the boats scheduled to sail that do not enter the race area.
- 1.3 Immediately report any boats that are incorrectly sailing in the start area and other problems or discrepancies to the RO.

2. RULES

The Racing Rules of Sailing switch on at the Preparatory Signal (one minute prior to the start).

3. START LINE

- 3.1 Start judging is done in conjunction with, or may be done by, the Race Officer.
- 3.2 Record the time of the start, or set a stopwatch running at the start. The race has a time limit (30 minutes) and if the first boat has not completed the course in the time allowed, the RO may decide to abandon the race.
- 3.3 The start line is taken from the course side of the marks at the ends of the start line.
- 3.4 Call any boat that is on the course side of the start line at the start. The call must be repeated. Identify the boat by number if possible and repeat the call – for example “recall seven six, recall seven six”.
- 3.5 Call the hull colour if you cannot see the number but be careful, as several boats may be of similar colour. Watch the boat to identify the sail number as soon as possible. If sail numbers cannot be identified within one minute, a general recall will be required.

- 3.6 The boat must return to the pre-start side of the line and restart. Once returning to restart, a boat must give way to all boats not doing so. The onus is on the skipper to start the race correctly.
- 3.7 Document with a notebook, or record on a media device, those boats on the course side of the start line at the start signal. Report any boat that does not start correctly to the RO.

4. GENERAL RECALL

- 4.1 If there are too many boats over the line to identify or there has been an error in the starting sequence, make two loud sound signals, hail “general recall”, repeat the call and restart the tape.
- 4.2 When directed by the Race Officer, announce that rule 30.1 (“around the ends rule”) is now enforced. When this rule is in place, after a general recall, any boats over the start line in the minute prior to the start must return to the pre-start side of the line by sailing around the ends of the start line.

5. U FLAG and BLACK FLAG

- 5.1 If the Race Officer decides that there have been too many general recalls, the Race Officer, may call a “U Flag” or “Black Flag” start.
- 5.2 Any boat that sails into the triangle formed by the two start marks and the windward mark, in the minute prior to the start, will be disqualified and asked to leave the race course immediately.
- 5.3 Record the sail number of any boats that have been asked to leave the course area.

6. FINISH LINE

- 6.1 Finish judging is in conjunction with, or may be done by the Race Officer and Scorer.
- 6.2 The Finish Line is the line between the two finish marks on the course side of the marker buoys.
- 6.3 Your job is to call the sail numbers as the boats cross the Finish Line. The Scorer will record the numbers. Use the tape recorder to tape the calls. This will assist in the event of very close finishes. In the event of discrepancy the tape recording is to take precedence over the written list.
- 6.4 Make a distinctive sound signal when the first boat crosses the Finish Line – e.g. a whistle.
- 6.5 Record the time at which the first boat crosses the Finish Line. There is a time limit for the remainder of the fleet to finish (5 minutes).

- 6.6 If there are still boats racing as the five minute “Time-Out” limit approaches, you will need to record their relative places on the water, so note the places as they round any marks.
- 6.7 Record the time the last boat crosses the line. This may be used to determine if a protest is submitted within the required time frame.
- 6.8 Where possible, the use of a video camera set up on the Finish Line will assist in identifying the correct finishing order, in the event of particularly close finishes.
- 6.9 Record the number of every boat that crosses the Finish Line – even a boat which appears to cross the line twice. That boat may have had to complete a penalty on the course side of the line prior to finishing.
- 6.10 A boat finishes when any part of the hull crosses the Finish Line, but the boat is still racing until it has cleared the line. If an infringement occurs after the boat has finished, but before it has completed racing, it still needs to complete a penalty turn, return to the pre-finish side of the finish line before finishing in order to exonerate itself in the event it is in the wrong.
- 6.11 Notify the RO of any outstanding problems.

7. SCORING

- 7.1 Assist scoring and updating the fleet board as required under the direction of the Head Scorer.
- 7.2 Carry out any other duties as delegated by the Race Officer or Head Scorer.

23. MANAGING THE FLEET BOARD

The following are suggestions for managing the fleet board for multi heat events. They are based on ideas gathered from International events.

- In no way do they supersede the HMS, nor are they intended to form part of the Standard Sailing Instructions, but are designed to be read in conjunction with HMS.
- The suggestions are based upon a working knowledge of fleet boards and scoring.
- They are not intended to be an instruction manual for novices.

SUGGESTIONS FOR FLEET BOARD MANAGEMENT OF MULTI HEAT EVENTS

ALWAYS PUT ALL BOATS/SKIPPERS ON THE FLEET BOARD IN ORDER ACCORDING TO THE SCORE SHEET IN EACH AND EVERY HEAT, INCLUDING DNF, DNS, DNC, ETC.

1. At the commencement of the regatta:
 1. Place skippers on the fleet board according to the Seeding race allocation.
 2. RUN SEEDING RACE as per HMS Instructions
 3. THEN Put all skippers' numbers on the board in correct order of finishing in their respective seeding heats.

2. Following the seeding races:

Race 2:

Using HMS **Schedule A** to determine numbers in each fleet, (e.g. if there are 34 boats in, say, 3 heats), move top placed boats (e.g. 4 in our example) from each seeding race into Heat A to give the correct number as per Schedule A; next 3 (in our example) from each seeding race to Heat B; and the rest from each seeding race into Heat C.

i. Run Race 2 Heat C

Put 4 from Heat C up into Heat B; and put the remainder on the board in correct order under Heat C

ii. Run Race 2 Heat B

Put top 4 from Heat B into Heat A; and put the remainder of Heat B on the board in correct order under Heat B.

iii. Run Race 2 Heat A; and put all of Heat A on the board in correct order of finishing.

NOTE: AT THIS STAGE, DO NOT PUT ANY SKIPPER/BOAT DOWN; I.E. NO DEMOTIONS! JUST LIST ALL BOATS IN THEIR CORRECT FINISHING ORDER UNDER THAT HEAT ON THE BOARD.

Race 3:

Then use HMS **SCHEDULE B** to set up heats for RACE 3.

1. Start with lowest Heat (e.g. Heat C in our example) and make up the scheduled required number of competitors for Heat C using all of Heat C and the lowest placed boats in Heat B (in our example) of Race 2.
2. Then make up the 2nd lowest heat (e.g. Heat B in our example) using the remaining boats in Heat B plus the lowest placed boats in Heat A (in our example) of Race 2 to make up the required numbers.
3. Confirm numbers are correct for each heat then

AFTER RACE 3 the regatta continues, using 4 up and 4 down (or 6 up and 6 down) principle.

3. Suggestions for management of the fleet board:

By ALWAYS putting each and every heat in order of finishing before moving the top placed 4 (or 6) up to the next heat, or relegating the bottom 4 (or 6) down, it is very easy to confirm boats in each heat, and to make changes if needed (e.g. if a high placed boat becomes a RAF or DSQ etc.)

4. Protests:

1. If a Protest is to be heard, place both skippers' numbers on the Board as they finished the race but turn both skippers' numbers upside down on the board. When resolved, turn skippers' numbers right way up.
2. Then adjust order of finish if needed; e.g. DSQ or RAF to last position on board in respective heat.
3. Proceed with Promotions and Demotions, and run next heat.

24. GUIDELINES FOR OBSERVERS

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.

DUTIES OF AN OBSERVER

- 1 Remain within the control area during the race. It is important your position does not hinder the view of the competitors.
- 2 Do not use binoculars ... you should have the same view of the course and environs as the competitors.
- 3 Call any contact between boats or between a boat and a marker buoy and note the details.
- 4 Call all incidents **loudly and clearly twice**,
 - “CONTACT Two Three & Three Five, CONTACT Two Three & Three Five” and wait for an acknowledgement.
 - “CONTACT Four Four and MARK, CONTACT Four Four and MARK” and wait for an acknowledgement.
- 5 Call only if an incident has occurred. If in doubt, **do not call**.
- 6 Call promptly, as it is the responsibility of the offending boat to accept a penalty immediately and complete the penalty at the earliest reasonable opportunity.
- 7 Calls must be made so that they are reasonably likely to be heard by competitors (see RRS E2.1a). It is not your responsibility to continuously call, or to chase the offending skipper to let them know.
- 8 Record the completion of penalty turns. A penalty turn consists of one tack and one gybe in the same direction. The offending boat should attempt to sail clear as soon as possible following the incident and commence their turn. Record the completion of a turn, even if you believe the wrong boat has taken the penalty. If you believe that a boat has gained an advantage despite taking a penalty make a note of the advantage gained and report to the Race Officer.
- 9 If a boat delays sailing clear to take their turn, make a note of where and when the incident occurred and where and when the turn was started and report to the Race Officer.

- 10 In the event of a boat sailing on the incorrect side of a buoy without contacting it, you **do not alert** the skipper – just note down which buoy, which lap of the course and which boat was involved and report to the Race Officer.
- 11 In the event of a skipper calling “out of control”, note the sail number or the skipper who made the call. That boat is immediately considered to have retired from the race.
- 12 Use a notebook to record details of any unresolved incidents, incorrect penalty turns or protest calls you observe or hear. Record the sail numbers of the yachts involved and the circumstances of the incident. Add a small drawing if possible, outlining relevant boat positions, mark location, wind direction and time. You will be able to refer to your notes if called to offer evidence in a protest situation.
- 13 Report any unresolved issues promptly to the Race Committee (immediately at the conclusion of the race/heat).
- 14 The Observer’s duty is to note the incident, it is **NOT** your duty to determine guilt, identify any specific rule infringed or suggest any action or remedy but you should be clear in your own mind about these issues as you may be required to give evidence at a subsequent protest hearing.
- 15 Avoid entering into any argument or conversation with skippers regarding any incident you have observed.
- 15 Record the use of any foul language or unsportsmanlike behaviour of those competing in the race and report any incidents to the Race Officer.
- 16 Observe the course for any debris, drifting marks, changing weather patterns or external factors like power boats, sailing yachts, canoeists or other people using the waterway that may affect the fair running of a prescribed race and report those findings to the Race Officer.

25. BOAT DRIVER'S INFORMATION

1. INTRODUCTION

1. As a Boat Driver, you are under the guidance of the Race Officer.
2. Do not take instruction from skippers.
3. You should be on standby and attempt to recover or untangle boats as soon as requested by the Race Officer.
4. Except when a boat is in immediate danger of damage or sinking, ensure your actions do not interfere with boats still racing.

2. PRE CHECKS

Prior to the start of each day's event you are to:

1. check there is sufficient fuel available, or the battery is fully charged
2. check there are sufficient lifejackets available
3. check presence of oars/paddles and a bailer
4. check all buoys for any damage, sharp edges, correct weights and lines
5. test run motor
6. report any difficulties or problems found to the RO.

3. SAFETY

The following safety precautions are to be observed:

1. At all times in the boat, you must wear a life jacket.
2. Care is to be taken when entering and exiting the boat.
3. Ensure you are familiar with the operation of the motor before carrying out any duties, especially the use of the 'kill switch' when operating a petrol driven outboard.
4. Whenever possible, there are to be two crew in the boat when recovering boats or positioning buoys.
5. Only authorized personnel are to operate the boat.
6. There is to be no smoking in the boat.

4. COURSE LAYING

Only take guidance from the RO or his assigned representative when laying/change a course:

1. Where possible, have the use of two-way radios to assist in communication between the RO and boat driver.
2. When positioning the marker buoys, try to orient the boat so that you can see the RO, and watch for the "drop" signal.
3. When shifting a mark – there will be some movement of the buoy before there is movement of the weight at the bottom. The distance that the weight moves will

be the distance that the buoy moves. This means that you have to shift the mark further than it seems, to allow for drift.

4. If you drag the mark, but don't shift the weight, the buoy will just drift back to its original position.
5. When laying marks, drop the weight and allow it to settle to the bottom prior to releasing the buoy. Avoid throwing the buoy and weights into the water at the same time.
6. Always approach buoys into the wind to prevent the chance of the line wrapping around the boat propeller. Place the engine in neutral when lifting marks into the boat.

5. BOAT RECOVERY

When recovering a disabled boat take great care not to do further damage. You should:

1. Where possible, approach a stricken boat from the leeward side.
2. For A Class boats, it is probably better to tow them back to the pontoon rather than attempt to lift them into the boat. Use a towing string from the rescue boat for this purpose.
3. When retrieving a vessel, a good practice is to try and retrieve a vessel from the top of the keel where it meets the hull, this gives you greater control of the vessel and reduces the damage to the boat and sails compared to lifting a vessel from the mast.
4. If you do attempt to carry a boat inside the rescue craft, be really careful of the rudder of the yacht – they are prone to damage from hitting the side of the dinghy.
5. If retrieving a boat prior to the start of an event, you are never to adjust a boat's equipment or turn a boat's electrical instruments on or off. Your duty is to return the vessel to the competitor and have them make the necessary changes as required.
6. In the event of a boat sinking, make an attempt to rescue the vessel in an efficient but safe manner. If possible, have a spotter assist you and, if the boat sinks, use the spotter's location to drop a buoy (if available) in the last known position to allow for the possible retrieval of the vessel at a later time.
7. In the event of a boat out of control, try to use common sense as to when to approach the disabled boat. The boat will be less of an obstruction on the course than the dinghy.

6. DEBRIS

If you happen to see some debris floating in the water and can remove it without too much difficulty – please do so

26. PRINCIPLES OF SPORTSMANSHIP & FAIR PLAY

1. Introduction:

Sailing is a self-policing sport, but the enforcement of rules 2 and 69 is the responsibility of all those involved - competitors and race officials. Allowing unacceptable behaviour to go unchecked is the same as condone it and does not protect those sailors who have chosen to compete within the rules. The promotion of fair play and sportsmanship is the responsibility of all those involved in our sport.

2. Rule Two - Fair Sailing:

"A boat and her owner shall compete in compliance with recognized principles of sportsmanship and fair play. A boat may be penalized under this rule only if it is clearly established that these principles have been violated. A disqualification under this rule shall not be excluded from the boat's series score."

3. Dealing with Dissent and Misconduct:

Rule 2, Fair Sailing, refers to recognised principles of sportsmanship and fair play. With one exception, 'The Basic Principle', the rules deliberately do not define these principles. It is necessary to take each situation in context.

3.1 Basic Principle

Sportsmanship and the Rules: "Competitors in the sport of sailing are governed by a body of rules that they are expected to follow and enforce. A fundamental principle of sportsmanship is that when competitors break a rule they will promptly take a penalty, which may be to retire."

3.2 General Principles

The following principles (which are examples and not a definitive list) are published by the RYA and AY. They are generally accepted as examples of the "recognised principles" referred to in Rule two. Any breach of these principles should be considered unsportsmanlike behaviour or misconduct by a skipper and therefore breach of RRS 2 at any Radio Controlled sailing event..

3.2 (a) Respect for the rules:

Breaches of this principle include:

1. Knowingly breaking a rule and not taking a penalty.
2. Deliberately breaking a rule .
3. Intentionally breaking a rule to gain an unfair advantage.
4. Collusion with another competitor to ignore rule breaches which may aggrieve or disadvantage other competitors. and

5. Gamesmanship, defined as behaviour of questionable fairness but not, strictly illegal.

3.2 (b) Respect for other competitors:

Breaches of this principle include:

1. Bullying, intimidating or harassing others.
2. Verbal abuse, unnecessary shouting or foul language.
3. Ungracious acceptance of defeat.
4. Sailing to benefit another competitor to the detriment of own position. and
5. Deliberately making misleading hails.

3.2 (c) Respect for race officials:

Breaches of this principle include:

1. Use of language which might convey incompetence, prejudice or insult. and
2. Dissent against a race official decision.

3.2 (d) Respect for property:

Breaches of this principle include:

1. Reckless sailing likely to result in damage or injury.
2. Abuse of boats or equipment supplied by an Organizing Authority or belonging to a competitor. and
3. Careless damage to property.

4. RO or Skippers Action:

For clearly unacceptable behaviour, any skipper may protest the offending boat under rule 2 and the matter taken to protest. The race officer may deem the offending skipper's actions a breach of sportsmanship and apply the relevant rules. These may include an on-the-water penalty, in accordance with the Sailing Instruction, initiating a Rule 2 protest or a Rule 69 hearing depending on the severity of the offence. Following the imposition of any on-the-water penalty, the race officer will critically observe a competitor's continuing behaviour. Any escalation of misconduct, poor sportsmanship or dissent will be penalised again as a separate incident.

27. INTERNATIONAL ENTRANTS

ARYA welcomes radio sailing skippers from around the World to sail in regattas in Australia. Skippers who visit Australia may not be covered with Public Liability Insurance to the level required by the various local councils or landowners who give permission for sailing to take place on their venues. The ARYA provides up to \$20 million per event public liability for members.

In 2017, the ARYA introduced a Temporary Affiliate Membership category for skippers who are members of a Delegated National Member of the International Radio Sailing Association. These skippers may become a temporary member of ARYA at no cost, by signing the appropriate section on the Entry Form.

This membership gives the visitor to Australia the same level of Insurance cover as full members, but the visitor is only covered for the period of the regatta.

In the event that a skipper attends from a country which is not a member of IRSA, then the skipper will be required to join an Australian radio sailing club in order for the Insurance requirements to be met.

Here is a list of IRSA DNMs, current at April 2017:

Argentina, Barbados, Belgium, Brazil, Canada, Chile, Croatia, Czech Republic, Denmark, Finland, France, Great Britain, Germany, Greece, Ireland, Israel, Italy, Japan, Malta, Netherlands, Norway, New Zealand, Poland, Portugal, Democratic People's Republic of Korea, Russia, Samoa, Slovakia, South Africa, Spain, Switzerland, Turkey, Ukraine, United States of America.

The full details of each DNM can be found on the IRSA website: www.radiosailing.org

28. SEVERE WEATHER GUIDELINES

1. Introduction

Severe weather is a constant danger to all activities outdoors and comes in many different forms including high winds, large swell/waves, thunderstorms/lightning and flooding. All of these may create a safety risk to sailors, spectators and officials (personnel).

2. Severe Weather Forecasting

Knowing when severe weather will impact an event venue is a key element in prevention of injuries or damage. Below are some methods to obtain timely information on approaching weather:

1. National Weather Service Alerts through the use of automatic detection equipment (e.g. Lightning Protection and Tracking Systems, radar)
2. Local TV and radio broadcasts
3. Internet

3. Weather Conditions covered by these guidelines.

High (strong) winds - Winds in excess of 46 km/h (25kt)

Waves – waves at a height that could potentially overturn or impact the ability for the rescue boat to make headway.

Thunderstorm/Lightning - includes cloud-to-cloud as well as cloud-to-ground activity

Flooding – significant rainfall making ground conditions unsafe for personnel.

3.1 High (Strong) Winds

When strong winds are forecast the organising committee should continually monitor both conditions ashore and on the water. The securing of equipment on the shore ie sunshades, tents, notice boards etc is paramount to ensure the risk of injury or damage is mitigated.

The primary on-water concern in high wind situations is the safety of the rescue boat crew. Consideration for the safe handling of the rescue craft is mandatory, particularly taking regard to the greater likelihood of boat rescues being required in these conditions.

In some cases high winds and a course with limited visibility at mark roundings has the potential to create a further risk of damage to boats. Race Officers should consider when it may become unsafe for racing to continue when exposed to this risk.

3.2 Waves

Generally on enclosed waters ie lakes, waves do not impact the ability to continue racing unless the lake has an extremely long fetch. Race Officers should monitor the height of waves and ensure that the rescue boat used has sufficient capability to make headway directly into the wind and waves and that the likelihood of capsizing of the rescue boat is unlikely when turned side on to waves.

It is recommended that a minimum of two persons are in the rescue boat at all times.

3.3 Thunderstorm/Lightning

The Race Officer is responsible for declaring the thunderstorm watch and activating each phase on the basis of weather information received, in conjunction with their local observations and assessment of the developing situation. Personnel should be notified that a thunderstorm watch is in place.

3.4 Phased Response Procedures - Thunderstorms

If thunderstorm activity is sighted in the distance, these storms are to be actively monitored to ascertain whether they are moving towards the event venue.

3.4 (a) Thunderstorm Watch/Alert Phase

This is the initial advice of possible thunderstorms within 30km of the event venue. The Race Officer shall consider the most appropriate course of action. This may include the decision to escalate to the 'Thunderstorm Stop Phase'.

3.4 (b) Thunderstorm Stop Phase

If the Race Officer determines that the threat of lightning strike is imminent they should implement the following course of action:

1. Cease all racing immediately, this may include the abandonment of a race in progress.
2. Instruct personnel to seek shelter inside buildings or inside metal bodied vehicles.
3. No one should seek shelter under near light poles, fences, under trees.
4. Ensure personnel have up-to-date information on weather event.
5. Implement racing postponement procedures.

3.4 (c) Thunderstorm All Clear/Downgrade/Cancellation Phase

As the storm passes, the Stop Phase can be downgraded to an Alert Phase. The Alert Phase can be cancelled when the storm is continuing to recede and once the Race Officer is satisfied that the risk to personnel is reduced.

3.5 Thunderstorm/Lightning Safety

3.5(a) General

1. High winds, rainfall, and cloud cover often act as precursors to actual cloud-to-ground strikes notifying individuals to take action.
2. Many lightning casualties occur in the beginning, as the storm approaches, because people ignore these precursors. Also, many lightning casualties occur after the perceived threat has passed.
3. The lightning threat generally diminishes with time after the last sound of thunder, but may persist for more than 30 minutes.
4. When thunderstorms are in the area but not overhead, the lightning threat can exist even when it is sunny, not raining, or when clear sky is visible.
5. Remember that lightning is always generated and connected to a thundercloud but may strike many miles from the edge of the thunderstorm cell.
6. Acceptable downtime has to be balanced with the risk posed by lightning.

3.5 (b) Thunderstorm/Lightning Protection

1. The purpose of lightning protection is to protect persons from the effects of lightning, to a certain acceptable level. There is no 100% protection level seen within technical and economical constraints.
2. Lightning protection is not aimed to prevent the formation of the lightning discharge, instead it is intended to prevent the object from being directly hit or affected by a remote lightning discharge.
3. No place is absolutely safe from lightning threat, however, some places are safer than others (e.g. inside buildings, fully enclosed metallic vehicles or safety shelters).

3.5 (c) Personnel Safety

During thunderstorm/lightning activity personnel should **not**:

1. Get out of enclosed vehicles.
2. Use portable electronic devices (e.g. mobile phones, pagers, two-way radios) in open areas or in front of windows.
3. Remain in open areas.
4. Seek shelter under a tall tree.
5. Be using or conducting activities with explosive or flammable material.

4. Flooding

Heavy rainfall may make ground conditions unsafe for continued racing. Race Officers should consider both the environmental impact as well as competitor safety when assessing the suitability of ground conditions.

ARYA Documents & Forms

Links the to ARYA source for the following documents

[Notice of Race](#)

[Sailing Instructions.](#)

[Entry Form](#)