

RACE COMMITTEE WORKBOOK



***Nockamixon Sail Club, Inc.
Lake Nockamixon, PA***

These instructions generally describe race committee functions for Nockamixon Sail Club. For more information refer to US SAILING The Racing Rules of Sailing (RRS), the US SAILING Prescriptions, the rules of the one-design fleets competing, and the Nockamixon Sail Club Notice of Race and Sailing Instructions.

TABLE OF CONTENTS

1	NOTICE OF RACE / SAILING INSTRUCTIONS	4
1.1	Notice of Race	4
1.2	Sailing Instructions.....	4
2	RACE DAY TIME TABLES	5
2.1	Saturday Schedule.....	5
	Race Time – Start Sequence.....	5
	During Race – Safety First.....	6
	Race Finish	6
2.2	Sunday Schedule.....	6
	Race Time – Start Sequence.....	7
	During Race – Safety First.....	7
	Race Finish	7
3	INSTRUCTIONS	8
3.1	Preparing for Race Day	8
	3.1.1 Care of Inflatable Marks	8
	3.1.2 Committee Boat	8
	3.1.3 Support Boat	9
3.2	Skippers Meeting Announcements	9
3.3	Returning to Marina	11
	3.3.1 Committee Boat	11
	3.3.2 Support Boat	11
4	RACE FORMS	12
4.1	Race Registration Form	12
4.2	Guest and Visit Registration.....	12
4.3	Race Committee Finish Sheet and Corrected Time Sheet	12
4.4	Protest Form	13
4.5	Protest Hearing	13
5	RACING RULES - GUIDELINES	13
5.1	Courses.....	13
5.2	Race Committee Boat Course Board.....	13
5.3	Start and Finish Lines	14
5.4	The Start – Starting Sequence.....	14
5.5	Individual Recall	14
5.6	General Recall	15
5.7	Shortened Course or Abandoning Race After the Start.....	15
5.8	Mark Missing	15
5.9	Abandoning Race Before the Start	16
5.10	Time Limit.....	16
5.11	The Finish	16
6	COMMUNICATION – RADIOS	16
6.1	Functions.....	16
7	WEDNESDAY NIGHT SAILING INSTRUCTIONS	17
7.1	Racing Rules.....	17
7.2	Schedule of Races	17
7.3	Courses.....	17
7.4	Start Line.....	17
7.5	Windward Marks	17
7.6	Finish Line.....	17
7.7	Finish Times.....	17

8	AROUND THE LAKE CHALLENGE	18
8.1	Entry Form	18
9	YACHT RACING REGISTRATION	19
9.1	Form	19
10	SUGGESTED COURSES	20
10.1	Courses.....	20
10.2	Buoy Locations.....	20
11	FLAGS AND SIGNALS	21

1. NOTICE OF RACE / SAILING INSTRUCTIONS

1.1 NOTICE OF RACE

The Notice of Race is published by NSC, following Appendix K “Notice of Race Guide” and covers the following:

- Rules
- Eligibility and Entry
- Fees
- Schedule
- Sailing Instructions
- Venue
- The Courses
- Scoring
- Prizes
- Disclaimer of Liability
- Insurance

1.2 SAILING INSTRUCTIONS

The Sailing Instructions are published by NSC, following Appendix L “Sailing Instructions Guide”, and covers the following:

- Rules
- Notices to Competitors
- Changes to Sailing Instructions
- Schedule of Races
- Class Flags
- Racing Areas
- The Courses
- Marks
- The Start
- The Finish
- Time Limits
- Protests
- Scoring
- Safety Regulations
- Prizes
- Disclaimer of Liability

2. RACE DAY TIME TABLES

2.1 SATURDAY SCHEDULE

9:00am	Prepare committee boat and support boat per guidelines.
9:30am	Place marks based on wind direction and strength. Set leeward mark directly downwind of windward mark. Set gybe mark 45 degrees off windward mark and leeward mark.
10:00am	Skippers meeting on Pier "A". (Hoist "L" flag with One Long Horn). Leave dock for race area, promptly, after conclusion of meeting.
10:30am	Set committee boat anchor using proper rode – three times depth. Position start pin using the support boat to the port side of committee boat. Start line length equals one boat length of longest boat times the number of boats. NOTE: Line to be square to the wind, not to the first mark.
10:40am	Position finish pin using the support boat to the starboard side of committee boat. Finish line length equal to five boat lengths of longest boat.
10:45am	Re-check wind direction to first mark. Use support boat to re-set mark, if needed. Use radios for direct communication.
10:50am	Check wind strength - decision for use of PFD's (Hoist "Y" flag with One Horn) GENERAL RULE – use PFD's with winds over 12mph and/or water temperature under 60 degree F or personnel coverage on R/C boat is limited.
10:55am	Hoist "Postponement" pennant (Red/white) with Two Horns, "On Station."
10:55am	Set course board for first start per Course Card. NOTE: Course length must be set such that the lead boat finishes in approximately forty-minutes.

RACE TIME - START SEQUENCE

10:59am	"Attention" - Lower "Postponement" pennant with One Horn	
11:00am	Warning Signal Hoist Class Flag - One Horn (five minutes until start)	Stopwatch 0:00
11:01am	Preparatory Signal Hoist Prep Flag - One Horn (four minutes until start)	1:00
11:02am	Review Starting Line, Wind Direction	2:00
11:03am	Re-check Course and Mark Placement	3:00
11:04am	Preparatory Flag Removed Lower Prep Flag - One Horn (one minute until start)	4:00
11:05am	Class Flag Removed - Class Start Lower Class Flag - One Horn	5:00

ROLLING STARTS – hoist next Cclass Fflag for next 5-minute start.

Record Race information on Score Sheet:
Note date and race number
Committee members (sail number and boat class)
Course and Buoys
Start time - clock time and stopwatch time (confirm at start time).

DURING RACE - SAFETY FIRST (watch for boats in trouble including non-NSC boats)

First Mark Record wind strength and boat order.
 Confirm 30-minute time was not exceeded

Next Marks Record wind strength and boat order.
 Record race comments or highlights for newsletter extracts.

****TIME SAVER HINT**

Starting Line	Recheck starting line during race, reposition if needed, to be ready for next race.
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RACE FINISH

"On Station" Hoist Blue Shape for R/C on station.
 Record order and finish times for ALL finishers
 Sound One Horn for each class winner.

DNF Boats exceeding 30 minutes from first finisher, within class, are scored DNF.

2.2 SUNDAY SCHEDULE

10:30am Prepare committee boat and support boat per guidelines.

11:00am Place marks based on wind direction and strength. Set leeward mark directly downwind of windward mark. Set gybe mark 45 degrees off windward mark and leeward mark.

11:30am Skippers meeting on Pier "A". (Hoist "L" flag with One Long Horn). Leave dock for race area, promptly, after conclusion of meeting.

12:00pm Set committee boat anchor using proper rode – three times depth. Position start pin using the support boat to the port side of committee boat. Start line length equals one boat length of longest boat times the number of boats.
 NOTE: Line to be square to wind, not to first mark.

12:10pm Position finish pin using the with support boat to the starboard side of committee boat. Finish line length equal to five boat lengths of longest boat.

12:15pm Re-check wind direction to first mark. Use support boat to re-set mark, if needed. Use radios for direct communication.

12:20pm Check wind strength - decision for use of PFD's (Hoist "Y" flag with One Horn)
 GENERAL RULE – use PFD's with winds over 12mph and/or water temperature under 60 degree F or personnel coverage on R/C boat is limited.

12:25pm Hoist "Postponement" pennant (Red/white) with Two Horns, "On Station."

12:25pm Set course board for first start per Course Card.
 NOTE: Course length must be set such that the lead boat finishes in approximately forty-minutes.

RACE TIME - START SEQUENCE

12:29pm	"Attention" - Lower "Postponement" pennant with One Horn	
12:30pm	Warning Signal Hoist Class Flag - One Horn (five minutes until start)	Stopwatch 0:00
12:31pm	Preparatory Signal Hoist Prep Flag - One Horn (four minutes until start)	1:00
12:32pm	Review Starting Line, Wind Direction	2:00
12:33pm	Re-check Course and Mark Placement	3:00
12:34pm	Preparatory Flag Removed Lower Prep Flag - One Horn (one minute until start)	4:00
12:35pm	Class Flag Removed - Class Start Lower Class Flag - One Horn	5:00

ROLLING STARTS – hoist next Cclass Fflag for next 5-minute start.

Record Race information on Score Sheet:

Note date and race number

Committee members (sail number and boat class)

Course and Buoys

Start time - clock time and stopwatch time (confirm at start time).

DURING RACE - SAFETY FIRST (watch for boats in trouble including non-NSC boats)

First Mark Record wind strength and boat order.
Confirm 30-minute time was not exceeded

Next Marks Record wind strength and boat order.
Record race comments or highlights for newsletter extracts.

**TIME SAVER HINT

Starting Line	Recheck starting line during race, reposition if needed, to be ready for next race.
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RACE FINISH

"On Station" Hoist Blue Shape for R/C on station.
Record order and finish times for ALL finishers
Sound One Horn for each class winner.

DNF Boats exceeding 30 minutes from first finisher, within class, are scored DNF.

3. INSTRUCTIONS

3.1 PREPARING FOR RACE DAY

3.1.1 Care of Inflatable Marks.

Marks - CAUTIONS

- Inflatable marks are more easily damaged over the rigid marks. Take care in handling to avoid damage.
- Do not step on the marks and avoid contact with any sharp objects.
- Do not over tighten, or otherwise damage, the valve assembly on the marks.
- Handle the marks using the yoke attached to the lugs on the bottom of the mark.

Inflating the Marks

- Inflate the marks using the high-output pump provided in the support boat.
- Inflate through the valve after opening the square shaped, black plastic nut on the top of the valve assembly. The pump has an adapter fitting that pushes (friction fit) into the valve opening below the square nut. After inflation, replace the square nut on the top of the valve assembly.
- CAUTION. Do not over inflate. The marks are large enough, even when partially inflated, and could burst from the excess pressure build-up from the heat of the sun.

Setting the Marks

- The anchor line for the marks is attached to the three-line yoke that is tied to the lugs on the bottom of the mark. Take care to tie-up all excess anchor line after the anchor is firmly on the lake bottom so that the excess line cannot foul boats rounding the marks. Use the bungee cord attached to the yoke to help secure any excess anchor line.

3.1.2 Committee Boat

Committee Boat Preparation

- Unlock storage boxes and fuel tank (keys in console).
- Set table post and table.
- Set canopy cover.
- Check fuel level and connect fuel line to motor, pump bulb, if required.
- Organize racing flags and hoist R/C flag on port side mast.
- Check anchor line and anchor. Secure anchor line to boat.
- Organize race items – clipboard with race forms, stopwatch, wind meter, radios, etc.

Committee Boat Motor

- Move "BLACK" shift lever to center (neutral) position.
- Move "RED" throttle lever to 1/4 position.
- Pull choke to "ON" position (front motor cover).
- Position "Start-Run-Stop" switch to "Start" (full clockwise position).
- Push start-button on console to start motor.
- Push choke to "OFF" position after motor starts.
- Position "Horn" switch to "ON."

Committee Boat - CAUTIONS

- Remove dock lines from boat end, leave on dock.
- Be careful backing out of slip - do not under estimate maneuvers - keep motor running.
- The marina is a "No-Wake Area", proceed slowly.
- **DO NOT BEACH THE BOAT ON THE ROCKS.**

3.1.3 Support Boat

Support Boat Preparation

- Clear boat cover of dirt, remove and store in bow.
- Check fuel level and connect fuel line to motor, pump bulb, if required.
- Organize buoys, anchors, safety equipment and towline.

Support Boat Motor

- Move "BLACK" shift-throttle lever to center (neutral) position.
- Move start-throttle lever "up."
- Push key "in" to choke motor.
- Turn key to start.
- Move start-throttle lever "down" after motor starts.

Support Boat - CAUTIONS

- Remove dock lines from boat end, leave on dock.
- Be careful backing out of slip - do not underestimate maneuvers - keep motor running.
- The marina is a "No-Wake Area", proceed slowly.
- **DO NOT Beach the boat** (tie the support boat alongside the committee boat).

3.2 SKIPPERS MEETING ANNOUNCEMENTS

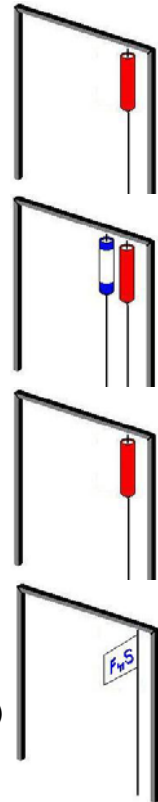
The skippers meeting is used as a notice to competitors. The following is an outline guide for the meeting.

- | | |
|------------------------|---|
| • Welcome Everyone | Introduce Guests and Visitors |
| • We Are Guests | Remind everyone we are guests on the lake and guests of a PA State park. Treat other boats courteously on the launch ramp and on the lake, and for racing purposes, other boats are to be considered OBSTRUCTIONS. People fishing are to be given a good "keep clear" zone. |
| • Safety | Each competitor has sole responsibility for his or her own safety and for his or her decision to race or not to race. |
| • Assistance | We have an obligation to render assistance to any boat in distress. Redress will be given to any boat rendering assistance. |
| • PFD's | Required on all boats and to be worn by children under 12 years or by all when the "Y" flag is displayed from the committee boat. |
| • Registration | Circulate a registration form and determine a Portsmouth D-PN for each boat before leaving shore (yacht registration forms to be completed). |
| • Notice of Race | Hand out is available. |
| • Sailing Instructions | Hand out is available. |
| • Course Card | Hand out is available. |
| • Marks | Committee boat masts, starting/finishing line pins, buoys (yellow or white shapes). |

- Starting Sequence

Review visual aids - flags, starting shapes, course letters and timing sequence, recalls and general recalls.

- 5:00 Class Flag Hoisted, One Horn (Warning Signal)
- 4:00 Preparatory Flag Hoisted, One Horn (Blue-White-Blue Shape)
- 3:00
- 2:00
- 1:00 Lower Preparatory Flag, One Horn (Blue-White-Blue Shape)
- 0:00 Lower Class Flag, One Horn - Class Start
Raise Next Class Flag, One Horn (repeat 5-minute start)
(Default is to use a rolling start – hoist next class flag at time 0:00)



- Warning Signal

Saturdays 11:00am, Sundays 12:30pm.

- Protests

720-turn, alternate penalty rule is in effect. 360-turn for hitting marks of the course. Please hail, fly a protest flag and notify the R/C, file a formal protest on an official form (on R/C boat) per Sailing Instructions if the offending boat does not complete penalty turns.

- Wish Everyone GOOD LUCK and FAIR SAILING

REMAIN to review basic rules or questions, if necessary, with any novice or guest sailors after the meeting.

3.3 RETURNING to MARINA

3.3.1 Committee Boat

Committee Boat - CAUTIONS

- Be careful returning to slip - do not under estimate maneuvers - keep motor running.
- The marina is a "No-Wake Area", proceed slowly.

Committee Boat Storage

- Store race items – clipboard, stopwatch, wind meter, radios, etc.
- Coil and store anchor line and anchor.
- Coil start and finish pin anchor lines and place alongside pins.
- Remove R/C flag and racing flags, fold and store.
- Remove fuel line from motor and coil on tank top and open tank fill cap to release tank pressure, re-close.
- Position "Start-Run-Stop" switch to "Stop" position and "Horn" switch to "OFF" position.
- Lower and secure canopy cover.
- Lower and store table and table post.
- Lock storage boxes and fuel tank (keys in console).
- **DO NOT TILT** the motor.
- Secure all dock lines.

NOTE: Remove all Trash and carry-ons from boat and dock area.

3.3.2 Support Boat

Support Boat - CAUTIONS

- Be careful returning to slip - do not under estimate maneuvers - keep motor running.
- The marina is a "No-Wake Area", proceed slowly.

Deflating the Marks

- Deflation of the marks is performed by loosening the round knurled black plastic nut on the valve assembly. This knurled nut is below the square nut and above the flange which attaches the valve to the body of the mark. Only loosen the knurled nut, do not remove it. Note: Removing the top square nut will not deflate the mark!
- Partially deflate the marks after racing and before covering the support boat

Support Boat Storage

- Store buoys, anchors and safety equipment, etc.
- Coil and store anchor lines of the marks.
- Cover boat and secure.
- **DO NOT TILT** the motor.
- Secure all dock lines.

NOTE: Remove all Trash and carry-ons from boat and dock area.

4. RACE FORMS

4.1 RACE REGISTRATION FORM

The Race Registration Form provides a record of date, skippers, crew, boat classes with sail numbers and the boat's D-PN. Race results for the day (finishing points) can be recorded on the form. R/C committee members should also list their names on the form.

NOTICE: For invitational regattas some skippers are required to pay a registration fee. The "PAID" column is to be completed by an R/C member collecting the funds before racing begins. NSC racing members with membership with US Sailing do not pay a fee.

4.2 GUEST and VISITOR REGISTRATION

Guests or visiting skippers shall complete the Guest and Visitor Registration form. The form helps with obtaining information and listing the liability information to the visiting skipper and crew.

4.3 RACE COMMITTEE FINISHING SHEET and CORRECTED TIME SHEET

The NSC Finishing Sheet is used to assist in recording and scoring boats, and their start times and finish times. The sheet is divided into columns for boat type, sail#, start time (MM.SS) and finish time (MMM.SS). The actual time can be computed ($FT - ST = AT$) and converted to an elapsed time (Min.DecSec). A sample row is shown on the bottom of the form.

The start time for each class/fleet is recorded. This should match the stopwatch and as a backup also be posted using "clock" time. The body of the form allows for recording a single class/fleet or for recording multiple class/fleets. An area is used for posting comments or adding any interesting notes on the racing. This can be used for posting articles to our monthly newsletter.

The NSC Corrected Time Sheet is used to transfer information from the finishing sheet and to compute a corrected time using the D-PN for each boat.

****TIME SAVER HINT**

Class/Fleet	Group boats on the form by their class/fleet. Random entry allows for errors and makes scoring more difficult.
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Boat Type	Use Portsmouth boat type as illustrated in the Boat/Code footnote section
Sail #	Use the registered sail numbers for each boat. If no sail# is shown use hull colors
Start Time	Stopwatch start time for class/fleet (ST). Usually in five minute intervals
Finish Time	Stopwatch reading for boat finish (FT). Format is MMM.SS
Actual Time	Calculated time, $ET = FT - ST = AT$. Format is MM.SS
Elapsed Time	Converted actual time using "seconds to decimal" table.
D-PN	Portsmouth D-PN from ratings booklet or Boat/Code section.
Corrected Time	Calculated time for each boat = ET divided by D-PN. Format is MMM.SSS
Position	Boat position based on class/fleet standings – 1 st = 1, 2 nd = 2, etc.
Points	Boat finishing position based on position – 1 st = 1, 2 nd = 2, etc.

DNC – did not start, did not come to starting area

DNS – did not start (other than DNC)

DSQ – disqualification

DNF – did not finish

RAF – retired after finishing

4.4 PROTEST FORM

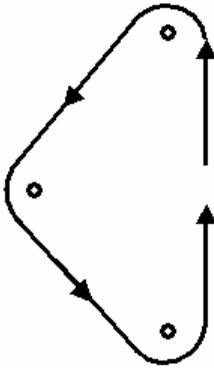
Protest shall be in writing per RRS 61 using the Protest Form. The R/C shall record on the form the date and time received, received by and number the form (use consecutive numbers for the day, 1, 2, etc.).

4.5 PROTEST HEARING

The R/C shall appoint a Protest Committee and/or use the Club Standing Protest Committee (consisting of all the Club Officers), to decide the validity, and when appropriate, conduct the Protest Hearing.

5. RACING RULES – GUIDELINES

TRIANGLE
"T" COURSE



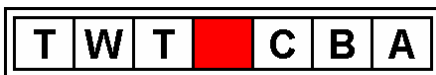
WINDWARD-LEEWARD
"W" COURSE



5.1 COURSES

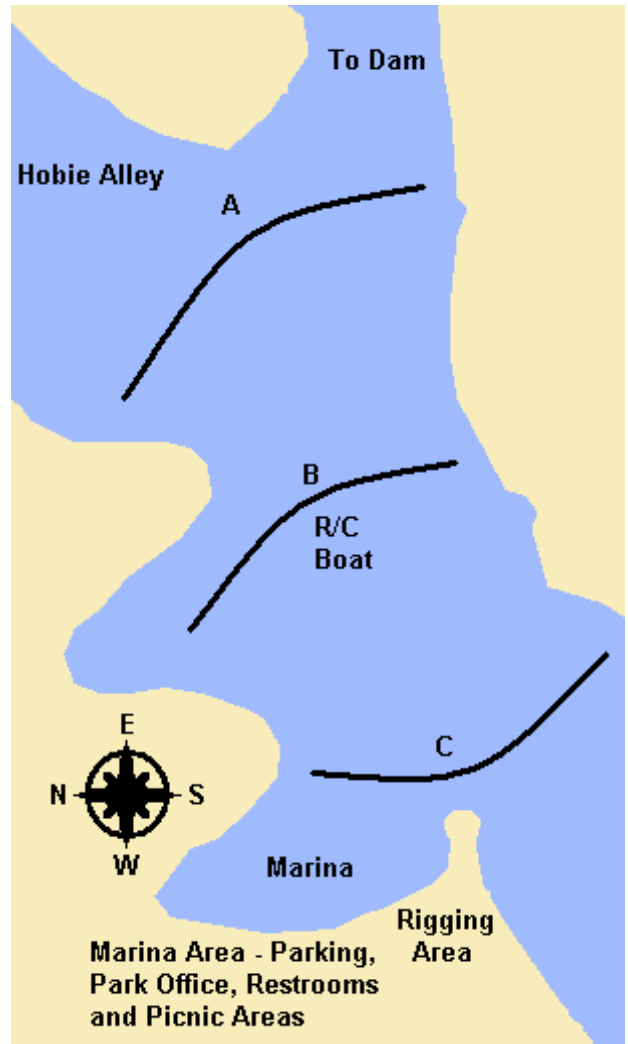
The type of courses to be sailed will be displayed by "T" or "W" or combinations of "T" and "W." The number of times around the course is the number of letters shown, e.g. "T T T" is three times around the triangle "T" course. "T W" is once around the triangle "T" course, followed by once around the windward-leeward "W" course.

5.2 RACE COMMITTEE BOAT COURSE BOARD



"T W T" is the course to be sailed – triangle "T" course, windward-leeward "W" course followed by a triangle "T" course.

"C B A" are the marks of the course (lettered yellow buoys) in the order in which they are to be rounded. Windward-leeward marks are "C" and "A." The first mark, windward mark "C", is to be rounded to the side displayed by the color red (Red = Port, Green = Starboard) on the course board, positioned between the course letters and the marks of the course.



5.3 START AND FINISH LINES

The start and finish line marks and the R/C boat are not a marks of the course, except when starting or when finishing. A separate finish line from the start line shall be set. After starting, a boat shall not cross the finishing line unless finishing.

The starting line will be between the nearest signal mast on the R/C boat at the starboard end of the line and a start mark at the port end of the line. Boats shall keep clear of the starting area during the starting sequence for fleets other than their own. Four registered boats, present in the starting area, shall be required to start a race. Four boats shall be required for a separate class/fleet start provided at least four boats are remaining for another separate start. All classes or fleets not having four boats shall start together.

5.4 THE START – STARTING SEQUENCE

Rule 26 – Races shall be started by using the following signals. Times shall be taken from the visual signals; the absence of a sound signal shall be disregarded.

SIGNAL FLAG	SOUND	START ACTIVITY
AP FLAG – HOIST	TWO HORNS	BEFORE OR BETWEEN RACES
AP FLAG – LOWER	ONE HORN	1 MINUTE BEFORE SEQUENCE BEGINS
RED SHAPE OR CLASS FLAG – HOIST	ONE HORN – “WARNING”	5 MINUTES TO START SIGNAL
PREPARATORY SHAPE – HOIST	ONE HORN – “PREPARATORY”	4 MINUTES TO START SIGNAL
PREPARATORY SHAPE – LOWER	ONE LONG HORN	1 MINUTES TO START SIGNAL
RED SHAPE OR CLASS FLAG – LOWER	ONE HORN – “START”	CLASS START

For multiple starts, a rolling five-minute (5) timing sequence will be used whenever possible to minimize delay between races. The class start for the first start is the “warning” signal for the next start. The class flag for the next five-minute (5) timing sequence is hoisted “ASAP” after the previous start. The preparatory shape is hoisted 4 minutes to the start signal and lowered 1 minute to the start signal. The class flag is lowered at the start for the class start.

Rule 27.1 - No later than the warning signal, the race committee shall signal or otherwise designate the course to be sailed and signal that wearing personal buoyancy is required (display flag Y with one sound).

Rule 27.2 - No later than the preparatory signal, the race committee may move a starting mark and may apply rule 30 (round-an-end rule, display flag I with one sound). If flag I has been displayed, and any part of a boat’s hull, crew or equipment is on the course side of the starting line or its extensions during the minute before her starting signal, she shall thereafter sail from the course side across an extension to the pre-start side before starting.

**FLAG RULES

Flag I	The round-an-end flag uses one sound when hoisting and one sound when lowering.
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Rule 27.3 - Before the starting signal, the race committee may for any reason postpone (display flag AP with two sounds).

5.5 INDIVIDUAL RECALL

Rule 29.1 - When at a boat’s starting signal any part of her hull, crew or equipment is on the course side of the starting line or she must comply with rule 30.1, the race committee shall promptly display flag X with one sound. The flag shall be displayed until all such boats are completely on the pre-start side of the starting line or its extensions and have complied with rule 30.1 if it applies, but not later than four minutes after the starting signal or one minute before any later starting signal, whichever is earlier.

**FLAG RULES

Flag X	The individual recall flag is used to signal one or more boats are on the pre-start side of the starting line.
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5.6 GENERAL RECALL

Rule 29.2 - When at the starting signal the race committee is unable to identify boats that are on the course side of the starting line or to which rule 30 applies, or there has been an error in the starting procedure, the race committee may signal a general recall (display the First Substitute with two sounds). The warning signal for a new start for the recalled class shall be made one minute after the First Substitute is removed (one sound), and the starts for any succeeding classes shall follow the new start. In the event of a general recall, in multiple-start sequences, the offending class/fleet shall re-start at the end of the sequence after all the other class/fleets have started correctly. The warning signal for the next class/fleet will be made one minute after the First Substitute is removed with one sound. This changes Rule 29.2.

**FLAG RULES

First Substitute	The general recall flag is used to signal a class/fleet re-start. The flag is lowered with one sound.
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5.7 SHORTENING COURSE OR ABANDONING RACE AFTER THE START

Rule 32.1 - After the starting signal, the race committee may abandon the race (display N flag with three sounds) or shorten the course (display flag S with two sounds), as appropriate.

However, after one boat has sailed the course and finished within the time limit, the race committee shall not abandon the race without considering the consequences for all boats in the race or series.

**FLAG RULES

Flag N	The abandonment flag is hoisted with three sounds to signal a race has been canceled and to return to the starting area. Lower with one sound.
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**FLAG RULES

Flag S	The shortened course flag is hoisted with two sounds to signal a race has been shortened (optionally with class/fleet flag for multiple class/fleet starts), boats shall go to the next mark of the course (as defined by the lead boat, in a class/fleet), round the mark and then cross the finishing line, bounded by the R/C boat and the finish mark, from the direction of the last mark (definition of finish RRS). This changes rule 32.2
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5.8 MARK MISSING

Rule 34 - If a mark is missing or out of position, the race committee shall, if possible,
(a) replace it in its correct position or
(b) substitute a new one of similar appearance, or substitute a buoy or vessel displaying flag M with repetitive sounds.

**FLAG RULES

Flag M	The mark missing flag is hoisted with repetitive sounds to signal a substitution of a mark of the course.
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5.9 ABANDONING RACE BEFORE THE START

Rule 27.3 - Before the starting signal, the race committee may abandon the race (display N over A flag with two sounds), as appropriate.

**FLAG RULES

Flag N over A	The abandonment flags are hoisted with three sounds to signal a race has been canceled, or all races for the day.
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5.10 TIME LIMIT

Rule 35 - If one boat sails the course as required by rule 28.1 (a boat shall start, leave each mark on the required side in the correct order, and finish...) and finishes within the time limit, all boats that finish shall be scored according to their finishing places unless the race is abandoned.

If no boat, in a class/fleet, has rounded the first mark within thirty minutes, or fails to finish the race within ninety minutes, the race for the class/fleet will be abandoned. If the lead boat in any fleet, rounds the marks within the time limits, then the race will count for all boats in all fleets. Any boats not finishing within thirty minutes of the first boat to finish in their fleet will be scored DNF. This changes rules 35 and A4.

5.11 THE FINISH

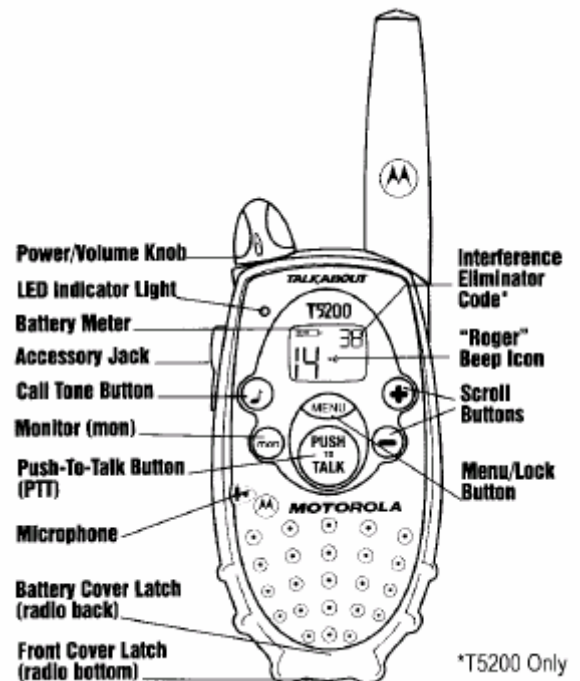
The finishing line will be between the nearest signal mast on the R/C boat at the port end of the line and the finish pin at the starboard end of the line. After starting, a boat shall not cross the finishing line unless finishing. (See also 5.7 Shortening Course).

6. COMMUNICATION - RADIOS

6.1 FUNCTIONS

Two radios are provided for R/C members with T5200 backup units using FFS channels.. The operating channel is usually 12. To operate the radios the following describes basic functions:

- | | |
|-------------------|---|
| Power/Volume Knob | turns the unit on/off and adjusts the volume. |
| Call Tone | Users on your channel will hear your Call tone |
| Push-to-Talk | Hold radio 2 to 3 inches from mouth and press and hold the Push-to-Talk button and speak. To receive message, release the Push-to-Talk button. |
| Set the Channel | Press Channel UP or DOWN buttons to select channel (hold in "HiLo" button to lock/unlock feature). |
| Hi/Lo/Menu/Lock | Press "Hi/Lo" button to toggle power setting for radio (Lo uses less battery life). The current channel will begin to flash. Use the scroll buttons to change channel. Press Menu or Push-to-Talk buttons to set new channel. |



*T5200 Only

RADIO CARE – Be sure to turn units OFF at the end of the day to prolong battery life and store in a dry place.

7. WEDNESDAY NIGHT SAILING INSTRUCTIONS

7.1 RACING RULES

The current NSC Sailing Instructions apply.

7.2 SCHEDULE OF RACES

The races are held every Wednesday night from the fourth Wednesday in April to the fourth Wednesday in October. The starting time is 5:00pm until dusk or a maximum of five races per night. Any races where the number of boats starting for the evening fall below a 40% eligibility level is to be abandoned (e.g., if maximum number of boats sailing was ten, then if seven boats retire from starting, race is abandoned).

7.3 COURSES

The course is an open format within the bounds set in Illustration 1 and Illustration 2. The starting and finishing area are in the marina. The rounding mark or windward mark is the fishing point (see Illustration 1) or Mark "A" or Mark "B" (see Illustration 2).

7.4 START LINE

The starting line uses the marina no-wake buoys. Sailing between any two buoys starts your race. During times when the no-wake buoys are not floating a sighting line of the two lamp posts, 70 degrees magnetic, on the marina point, constitutes the starting line five boat lengths long.

7.5 WINDWARD MARKS

In Illustration 1 the windward mark is about one mile from the marina point toward the fishing point. The windward mark is a line sighting of the rocks, the waters edge, lined up with the bathhouse (building structure). This sighted line, 33% across the opening five boat lengths from the point, forms a windward mark for returning to the marina.

Illustration 2 uses two windward marks – Mark "A" and Mark "B." Mark "A" is a line similar to the fishing point mark. The point at Hobie Alley is sighted and lined up with the launch ramp bulkhead. This sighted line, 50% across the opening, forms a windward mark for returning to the marina. Mark "B" uses two orange range marks on shore for forming a windward mark. This sighted line, 50% across the opening, forms a windward mark for returning to the marina.

7.6 FINISH LINE

The finish line uses the marina no-wake buoys. Sailing between any two buoys finishes your race. During times when the no-wake buoys are not floating, a line sighting of the two lamp posts on the marina point constitutes the finish line five boat lengths long.

7.7 FINISH TIMES

Each boat is to record their finishing time from the starting line to the finish line. Times are to be recorded using minutes and seconds.



Illustration 1



8. AROUND THE LAKE CHALLENGE
8.1 ENTRY FORM

AROUND THE LAKE CHALLENGE

RULES:

1. Record and submit your sailing times for completing the around the lake course. The course starts at the marina and extends to the Haycock launch ramp and "Lake House Inn" Point.
2. The starting line is between any two "no wake" buoys at the marina. Course direction can be towards the "Lake House Inn" Point or to the Haycock ramp.
3. Intermediate times are recorded when the skipper sights the land marks listed below. There are eight intermediate times required for proper recording. Each start time is recorded at Marina buoys.
4. The elapsed time will be totaled and corrected using the U.S. Sailing Portsmouth D-PN number.
5. Witness or crews shall be listed, when available. The honor system and racing rules shall be in effect.

DATE: _____ **BOAT:** _____
SKIPPER: _____
WITNESS/CREW: _____, _____, _____, _____

COMMENTS: _____

START TIME (Marina Buoys): _____ **START TIME (Marina Buoys):** _____

INTERMEDIATE TIMES:

Dam tower (T1)	_____	Fishing Pier Point (T5)	_____
Haycock Ramp (T2)	_____	"Lake House Inn" Point (T6)	_____
Dam Tower (T3)	_____	Fish Pier Point (T7)	_____
Marina Buoys (T4)	_____	Marina Buoys (T8)	_____

Haycock Ramp is being directly straight off the dock. The "Lake House Inn" Point sighting is being able to see the Route 563 bridge/concrete structure.

TOTAL TIME: _____ **D-PN:** _____ **CORRECTED TIME:** _____



9. YACHT RACING REGISTRATION

9.1 FORM

Any non-class or non-standard boat shall declare modifications and equipment to the NSC Racing Committee on a NSC Yacht Registration Form. The NSC Racing Committee shall determine and record the rating or rating adjustments for non-class or non-standard boats. These ratings shall be approved by the NSC Fleet Council and shall apply for the sailing season, or until US Sailing issues new 'D-PN' ratings.

NSC shall review, establish and publish the Portsmouth ratings prior to the first race of the season. In the event that a member or regatta participant registers a yacht that is not presently rated, NSC will be responsible for establishing the appropriate rating. NSC requires the following information and will be considered confidential:

Equipment: US Sailing, Portsmouth, assumes a boat is equipped according to class rules.

- Type of rig
- Sails in inventory
- Type of keel
- Motor
- Other

The registration form uses pre-assigned modification factors that are applied to a base Portsmouth D-PN. The assigned D-PN is submitted for approval.

10. SUGGESTED COURSES

10.1 COURSES

The suggested courses below will help locate buoys for wind directions.

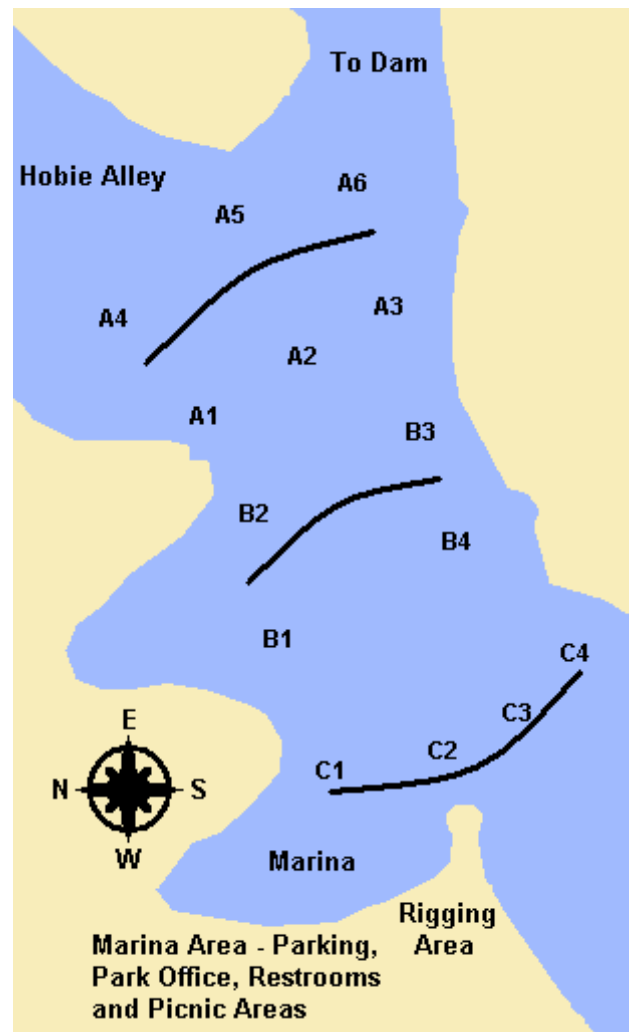
WIND DIRECTION	SUGGESTED COURSES								
	Long Course			Short Course			Alternate Course		
NW	B1	C3	B3	B2	B4	A3	A1	B3	A6
W	B1	B3	A5	C1	B4	A2	B1	B3	A2
SW	C2	B3	A4	C2	B4	B2	C2	B3	A1
S	C4	B3	B1	B4	A3	B2	B3	A6	A1
SE	B4	B2	C1	B3	A1	B1	A3	A4	B2
E	A6	A1	C1	A3	B2	C2	B3	B1	C2
NE	A5	B2	C4	A2	B1	C4	A5	A1	B3
N	B2	C1	B4	B1	C2	C4	A4	B2	A3

10.2 BUOY LOCATIONS

The illustration locates buoys within the race area.

GPS waypoints:

	North	West
A1	40 28.300	075 12.770
A2	40 28.210	075 12.750
A3	40 28.130	075 12.700
A4	40 28.370	075 12.600
A5	40 28.270	075 12.530
A6	40 28.150	075 12.500
B1	40 28.220	075 13.030
B2	40 28.270	075 12.910
B3	40 28.080	075 12.860
B4	40 28.020	075 13.010
C1	40 28.180	075 13.250
C2	40 28.080	075 13.220
C3	40 28.010	075 13.200
C4	40 27.940	075 13.150



11. FLAGS AND SIGNALS

	<u>DESCRIPTION</u>	<u>HOIST</u>	<u>LOWERING</u>
	AP. RACES NOT STARTED ARE POSTPONED	TWO HORNS	ONE HORN
	N. ALL RACES THAT STARTED ARE ABANDONED	THREE HORNS	ONE HORN
	OPTIONAL CLASS FLAG OR SHAPE	ONE HORN	ONE HORN
	P. PREPARATORY (BLUE-WHITE-BLUE SHAPE or FLAG)	ONE HORN	ONE HORN
	I. "AROUND-AN-END" IN EFFECT, RRS 30.1	ONE HORN	ONE HORN
	X. INDIVIDUAL RECALL	ONE HORN	
	FIRST SUBSTITUTE – GENERAL RECALL	TWO HORNS	ONE HORN
	S. SHORTENED COURSE	TWO HORNS	



C. COURSE CHANGE

REPETITIVE HORNS



M. MARK MISSING

REPETITIVE HORNS



Y. WEAR PERSONAL BUOYANCY

ONE HORN



L. COME WITHIN HAIL OR FOLLOW THIS BOAT

ONE HORN



D. RACE COMMITTEE BOAT MANEUVERING



BLUE SHAPE, R/C BOAT IS IN POSITION AT THE FINISH LINE



A. USED WITH N FLAG TO ABANDON A RACE

