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|  North American Model Boat Association Official Rule Book – Update | Update # | 2023-2 |
| | Date | 5/31/23 |

Enclosed you will find the latest Rule Book updates. To keep your Rule Book current and up to date, please make the page replacements listed below. If you feel that you have missed any updates please call the Executive Secretary to get an additional copy and/or for clarification of current revisions. Proposals

Section

Summary of changes

1 - General Organization Information

Remove pages: 1 - 2 (*dated 2/6/22*)
 Insert pages: 1 - 2 (*dated 5/31/23*)

Board of Directors passed proposal:
 - Single event coverage includes open water (Rule C.9.c)

3 - Elections

Remove pages: 1 - 3 (*dated various*)
 Insert pages: 1 - 3 (*dated 5/31/23*)

Board of Directors passed proposal:
 - Update impeachment voting process to utilize portal (Rule E.1.d.i-iii)

7 - Rule Changes

Remove pages: 1 - 3 (*dated 3/31/23*)
 Insert pages: 1 - 3 (*dated 6/31/23*)

Board of Directors passed proposal:
 - Update to reflect current voting procedure via portal (Rule A.2.a, g, h, j)

8 - Safety

Remove pages: 1 - 2 (*dated 3/31/23*)
 Insert pages: 1 - 2 (*dated 6/31/23*)

Board of Directors passed proposals:
 - Update fire extinguisher rule to include fire suppression for electric classes (Rule A.7)

10 - Engines

Remove pages: 1 (*dated 5/28/13*)
 Insert pages: 1 (*dated 5/31/23*)

Board of Directors passed proposal:
 - Update the upper limit for Class A and lower limit for Class B (Rule A.1)

14 - Records


Remove pages: 3 - 4 (*dated 3/15/06*)
 Insert pages: 3 - 4 (*dated 5/31/23*)

Board of Directors passed proposal:
 - Update to record application submission process to reflect current process (Rule D.1, 3, 4)

15 - Sanctions

Remove pages: 1 - 2 (*dated 3/15/06*)
 Insert pages: 1 - 2 (*dated 5/31/23*)

Board of Directors passed proposal:
 - Update timing for sanction approval (Rule C.5)

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|--|----------|----------------|
|  North American Model Boat Association Official Rule Book – Update | Update # | 2023-2 |
| | Date | 5/31/23 |

Section

Summary of changes

16 - Race Organization

Remove pages: 5 - 6 (*dated 6/30/19*)

Insert pages: 5 - 6 (*dated 5/31/23*)

Board of Directors passed proposal:

- Update to distribution of protest fee (Rule H.3)

21 - Scale Unlimited Hydroplan

Remove pages: 3 - 4 (*dated 12/16/09*)

Insert pages: 3 - 4 (*dated 5/31/23*)

Board of Directors passed proposal:

- Removal of purchase option for Master Hull Roster (Rule E.2)


28 - Electric

Remove pages: 13 - 14 (*dated 6/5/21*)

Insert pages: 13 - 14 (*dated 5/31/23*)

Board of Directors passed proposal:

- Removal of OPC Tunnel record limitation (Rule E.4.d)

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|---|---|--------------|---|
|  | North American Model Boat Association Official Rule Book | Section Name | GENERAL ORGANIZATION INFORMATION |
| | | Section # | 1 |
| | | Page # | 1 of 5 |
| | | Revised | 5/31/23 |

A. NAME AND DEDICATION

1. This association will be known as the North American Model Boat Association International hereinafter called NAMBA International.
2. NAMBA will be dedicated to the progress and expansion of model boating and the aid and development of youth and youth activities through fellowship, sportsmanship, and competition.

B. CLUBS

1. A group of members may register to become a NAMBA club by completing the appropriate form, and sending it with the applicable fee to the NAMBA office.
2. The Secretary and the President of a NAMBA club must be members of NAMBA.

C. MEMBERSHIP

1. The membership will consist of clubs and individuals interested in the advancement and enjoyment of model boating through test running, sport running, and/or racing at organized club, district, or national events.
2. Each member will automatically become a member of the district in which they reside.
3. Membership in NAMBA will be obtained online via the Membership Portal or via paper by completing the Membership Application form and mailing it to the NAMBA office. The member will not be insured until all needed information has been provided and applicable fees paid to NAMBA.
4. NAMBA will issue identification numbers to members, which are natural numbers (whole numbers starting at 1). In order to retain the same NAMBA number each year, the member must renew before January 1 of the following year. After January 1, all numbers are declared open and may be re-issued.
5. Membership in NAMBA is proof of a right to enter any NAMBA sanctioned contest.
6. The current membership fee will be paid per calendar year and will not be prorated for a portion of a year.
7. Dues will include insurance under the auspices of the current NAMBA insurance plan.
8. Changes in dues will be included in renewal notices each year and will not necessitate a constitutional amendment.

| | | |
|--|-----------|----------------|
| Section Name: GENERAL ORGANIZATION INFORMATION | Section # | 1 |
| | Page # | 2 |
| | Revised | 5/31/23 |

9. Single Event Membership

- a. This special membership is offered for non-NAMBA members attending a NAMBA event.
- b. The boater desiring this membership will apply for it online via the Membership Portal providing the needed member and event information and paying the applicable single event fee. This will need to be completed prior to the start of the event.
- c. Single event insurance is valid for the dates of the event only, which includes any open water days for the event, and only at the site indicated.
- d. Single event insurance may only be used once in any calendar year by a specific individual. Should that individual desire to participate in a second event in a calendar year, a full membership will be required.
- e. The single event fee paid at one event will be credited to the price of the full membership should that membership be consummated within the same calendar year.


D. MEMBER CONDUCT

1. GENERAL

- a. NAMBA activities are intended to be enjoyed with conduct from its members that displays proper consideration for fairness, ethics, respect, and a sense of fellowship among the participants and spectators. The purpose of this section is to define terms used in the NAMBA Official Rule Book relating to member conduct, as well as list the specific actions that will be taken when violations occur.

2. DEFINITIONS

- a. **Unsportsmanlike Conduct:** Conduct that is not fair, respectful, and polite toward other NAMBA members or the public when attending an Event. Examples include, but are not limited to: vulgarity; use of language that is disparaging to race, religion, gender, or sexuality; verbal abuse; physical abuse; and taunting.
- b. **Conduct Unbecoming a NAMBA Official:** Conduct on the part of an elected NAMBA Official that is detrimental or contrary to the best interests of NAMBA, or which may harm his or her standing as a NAMBA Official in the eyes of its members or members of the public in the execution of his or her duties.
- c. **Event:** Any NAMBA National, District, or Club organized activity.

| | | |
|---|--------------|------------------|
|  North American Model Boat Association Official Rule Book | Section Name | ELECTIONS |
| | Section # | 3 |
| | Page # | 1 of 3 |
| | Revised | 5/31/23 |

A. GENERAL AND ELIGIBILITY

1. Any member in good standing, except those of minor age (17 or under), may hold an elected office.
2. An elected officer's term of office will begin November 1 following the election.
3. No NAMBA District Director or National Chairman will also be a Director or National Chairman of another model boating organization, due to the potential conflict of interest.
4. The NAMBA President and Vice-President will hold office for a term of two years, and must have been a District Director for at least one term, but not necessarily immediately prior to taking office.
5. A Director's term of office will be two years. District Directors of odd-numbered districts will be elected in odd-numbered years, and Directors of even-numbered districts will be elected in even-numbered years.

B. NOMINATIONS

1. The Executive Secretary will receive the nominations for all elected offices no later than September 1st.
2. Nominations for President and Vice President will be accompanied by a petition signed by 10 members in good standing and a declaration of acceptance by the nominee.
3. Nominations for District Director will be accompanied by a petition signed by 10 members in good standing from that district and a declaration of acceptance by the nominee. In the event there are not 10 members in a district who can sign the nomination papers, signatures of 50 percent of the members from that district will be required.
4. In the event no nominations are received for an expiring elective office, the incumbent will retain his office until such time as one nomination can be obtained and an election held or a replacement is appointed by the President.

C. ELECTIONS

1. The members of each district may vote for President, Vice President, and the Director for their district.
2. Only members in good standing at the time of the vote will be permitted to vote. All classifications of members will be permitted to vote, including adult members, family members, and junior members.

| | | |
|-----------------------------------|-----------|----------------|
| Section Name: ELECTIONS | Section # | 3 |
| | Page # | 2 |
| | Revised | 5/31/23 |

3. Members will submit their vote electronically using the NAMBA Membership Portal, or a comparable electronic voting system approved by the Board of Directors.
4. The NAMBA office will receive and compile the votes. The NAMBA office may designate another entity to receive and compile the votes should this be deemed necessary.
5. All voting will end by Midnight Pacific Time October 25th.
6. Obtaining a simple majority of all votes cast will be necessary to be elected.

D. VACANCY

1. In the event of the resignation or incapacity of the President to act in his office, the Vice-President will act as President Pro Tem for the remainder of the term. In the event of the incapacity of the President and Vice President to act in their offices, the Board of Directors will elect one of their members to act as President Pro Tem until an election can be held to fill one or both vacancies.
2. In the event that a District Director resigns or is impeached, the President may either appoint a replacement or instruct the Executive Secretary to set up new elections for that office, at the earliest possible time, to fulfill the remaining portion of the term.
3. For any position filled mid-term due to a vacancy, the term will expire at the same time it normally would have had the office been filled in the normal manner.


E. IMPEACHMENT

1. An elected officer may be removed from office in the following manner:
 - a. A petition for impeachment must be signed by at least 20 NAMBA members in good standing (only one signature per family). In the case of impeachment of a District Director all signatures must be from that district.
 - b. The petition must list the reasons, problems, or other violations involved.
 - c. The petition will be filed with the Executive Secretary.
 - d. The petition is then forwarded to the NAMBA Board of Directors. If the Board agrees with the reasons for impeachment, they will authorize the Executive Secretary to conduct a vote, as per the following procedure:
 - i) Voting will follow the same process as the initial voting for the officer in question, as noted in rules C.1 thru C.4 in this section.

| | | |
|-----------------------------------|-----------|----------------|
| Section Name: ELECTIONS | Section # | 3 |
| | Page # | 3 |
| | Revised | 5/31/23 |

- ii) Results of the vote will then be sent to the Board of Directors for verification.
 - iii) In the case of a majority vote for dismissal of the officer, the officer will be informed of the results of the vote by the Executive Secretary.
- 2. The dismissed officer will turn over all funds, an accounting statement of funds received and expended, plus any items such as equipment, hats, patches, etc., that may be in his/her possession.

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|---|--------------|---------------------|
|  North American Model Boat Association Official Rule Book | Section Name | RULE CHANGES |
| | Section # | 7 |
| | Page # | 1 of 3 |
| | Revised | 5/31/23 |

A. RULE MODIFICATIONS

1. Non-Racing Rules and Safety Regulations

- a. May be amended by the Board of Directors as deemed necessary to provide for the smooth operation of NAMBA and for the safety of its members as well as compliance with current insurance guidelines.
- b. This action by the Board of Directors can be accomplished by a vote by phone, mail, or email, and may occur at any time during the year.
- c. All board members must be notified of any proposed changes prior to a vote, and must be given ample opportunity to cast their vote. Proposals will be approved by a simple majority of the Board.
- d. Should the Board decide that the change under contemplation has a significant effect on the day to day boating of the members, they may elect to place the item before the membership for a general vote.

2. Racing Rule Additions, Deletions, or Changes

- a. The NAMBA General Membership shall vote on proposals regarding Racing, Racing related issues, or Competition topics.
- b. For proposed rule changes from an individual member:
 - i) Proposed rule changes must be submitted to the District Director in the district in which the submitting member resides.
 - ii) Upon receipt of said proposal, the District Director will put the matter to a vote within his district. This vote can occur at any time during the year as deemed appropriate by the Director but should be handled in a timely manner. The exact method of said vote can be handled in whatever manner is normally followed for voting within that particular district.
 - iii) Upon successful passage of the proposal within the district, the district director will forward the proposal to the NAMBA office along with a statement by the District Director that the proposal has passed within his district and that the district desires to have the proposal sent to the general membership for voting.

| | | |
|--------------------------------------|-----------|----------------|
| Section Name: RULE CHANGES | Section # | 7 |
| | Page # | 2 |
| | Revised | 5/31/23 |

- c. For proposed rule changes from the Rules Committee:
- i) Upon successful passage of the proposal within the Rules Committee, the proposal will be forwarded directly to the NAMBA office without having to be submitted through a District as a rule from an individual member would.
 - ii) The proposed rule change will be processed exactly as a proposal from a District, following all the additional reviews and steps noted below.
- d. Proposals may be submitted to the NAMBA office at any time during the year as long as the steps noted in Rule A.2.b or A.2.c above have been adhered to.
- e. After receipt of a proposal by the NAMBA office, it will be sent to the NAMBA Board of Directors. The Board will review the proposal to insure proper wording and consistency with other already existing rules.
- f. Once the NAMBA Board of Directors has reviewed and approved the proposal, the Executive Secretary will send a copy of that proposal to the appropriate Class Chairman/Chairmen for further review.
- i) The Class Chairman/Chairmen will review the proposal and determine if it is proper in scope as to being verified and enforced capably.
 - ii) Once the Class Chairman/Chairmen has reviewed the proposal he/they will file a report to the Executive Secretary.
 - (a) If the report supports the rule, the Executive Secretary will send it to the membership for a vote via process described in rule A.2.h below.
 - (b) If the report finds that the proposal cannot be properly verified or enforced, the original proposal along with the report will be sent to the NAMBA Board of Directors for further review. The rule may be then returned to the District proposing the rule change and that District will have the opportunity to revise the proposal and make it workable.
- g. After the Board of Directors and Class Chariman/Chairmen have reviewed the proposal the NAMBA office will send out the proposal to the membership for voting. The proposal will normally be sent out with the next regular mailing of the newsletter, but special mailings may be utilized if deemed necessary. In addition, the proposals may be made available to the membership by publication on the NAMBA web page.

| | | |
|--------------------------------------|-----------|----------------|
| Section Name: RULE CHANGES | Section # | 7 |
| | Page # | 3 |
| | Revised | 5/31/23 |

- h. Members will be given adequate time to receive the proposal, consider the propositions, and cast their votes. Normally a period of 45 days from the date mailed would be considered ample time for this to take place.
- i. Only members in good standing at the time of the vote will be permitted to vote. All classifications of members will be permitted to vote, including adult members, family members, and junior members.
- j. Members will submit their vote electronically using the NAMBA Membership Portal, or a comparable electronic voting system approved by the Board of Directors. Members will be permitted to vote and/or change their initial vote cast at any time before or on the voting deadline. For those members that don't have access to the internet or have issues accessing the portal, they can reach out to the NAMBA secretary for assistance prior to the voting deadline


B. MEMBER NOTIFICATIONS

- 1. The NAMBA office will inform the membership of the result of the vote by publication in the next newsletter and by publication on the NAMBA web page.
- 2. Updated rules will be posted on the NAMBA web page and updated pages of the rule book will be sent as defined in Section 5 - rule A.2.

C. EFFECTIVE DATES

- 1. Proposals which have been approved will take effect immediately after they are published by NAMBA on the web page or in the Propwash, unless it is deemed by the Board of Directors that such immediate action will have an unfair effect on the members. In such cases, ample time will be given before implementation for the members to comply with the new requirements.
- 2. New classes will be eligible for inclusion in district and national events as soon as they have been approved by the membership and published by NAMBA. All categories of NAMBA records may be set in these new classes as soon as the rules have officially been implemented.

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|  North American Model Boat Association Official Rule Book | Section Name | SAFETY |
| | Section # | 8 |
| | Page # | 1 of 4 |
| | Revised | 5/31/23 |

A. GENERAL SAFETY REGULATIONS


1. NAMBA members must have their NAMBA numbers on their boats and their backs for easy identification. Minimum number sizes will be 1-1/2" on the back and 1" on the boat, except where noted in specific class rules. R/C Combat ships do not require numbers on boats or members.
2. Every contestant entering NAMBA competition must show proper evidence of current NAMBA membership.
3. Every driver must have a pit person at all times, whether in practice or during a contest, who is also a NAMBA member and who is aware of all course conditions and NAMBA regulations. R/C Combat ships do not require a pit person or separate observer.
4. Only NAMBA members are allowed in the hot pit area. No persons other than those running a boat, those assisting with the running of a boat, or contest officials will be permitted in the pit area. For R/C Combat the pit is defined as the shoreline of the pond/lake. Other specific crowd control requirements are contained in the specific R/C Combat rules listed below.
5. All persons in the hot pit area, those driving a boat, or those launching or retrieving a boat, must at all times wear shoes which cover the entire foot with no voids. Tennis shoes and shoes or boots that rise to cover the ankle or lower leg are preferred. Footwear such as clogs or crocs that have holes allowing the footwear to breathe or have a strap across the back to hold them on which don't cover the entire back of the foot are not acceptable. Water socks, water shoes, or shoes with mesh material are not allowed.
6. At NAMBA events, no smoking will be allowed in the drivers stand area or hot pit area. The hot pit area is defined as the area where boats are started and launched.
7. At NAMBA events, the host club will provide means of fire suppression in the hot pit area based on the needs of the power systems represented including a fire extinguisher for internal combustion classes and a bucket of sand for electric classes. The hot pit area is defined as the area where boats are started and launched. It is the Contest Director's responsibility to ensure that the fire extinguisher is in place, readily available; and, in the case of a fire extinguisher, be at a minimum BC rated and legally operational.
8. No alcoholic beverage consumption or illegal drug use is permitted while a NAMBA member is operating or assisting in the operation of a model boat, whether in practice or during a contest. Use of these substances by contest officials is also strictly prohibited.

| | | |
|--------------------------------|-----------|----------------|
| Section Name: SAFETY | Section # | 8 |
| | Page # | 2 |
| | Revised | 5/31/23 |

9. Reasonable and proper provisions will be made for crowd control and for the safety of other members and spectators. Model boats will not be operated when anyone is in the water, except for those members who may be in the launch area in the hot pit area to launch or retrieve a boat. R/C Combat members may be in the water under certain circumstances. See specific rules regarding this in the specific R/C Combat rules listed below.
 - a. Anyone operating a radio controlled model boat in an area designated for swimming (such as a swimming pool, wading pool, and/or public beach) when people and/or animals are in the water (except as noted above) will forfeit NAMBA membership and will be barred from rejoining NAMBA for a period of 60 months.
10. No buoys will be set on the course closer than 50 feet to any shoreline. This may be reduced to 30 feet when the adjacent shoreline is such that a boat cannot travel more than its own length out of the water. This rule does not apply to R/C Combat.
11. Canopies and other sunshine prevention devices must be securely held in place. Depending upon local requirements, the members may use stakes, rope tie downs, weights, or other means to reduce the chance that canopies or other devices are blown loose.
12. All rules, laws, ordinances, and regulations of any federal, state, county, and/or municipality will be observed at all times.

B. BOAT/RADIO OPERATION SAFETY REGULATIONS

1. No boat which has been run aground will be permitted to re-enter the water until the driver has demonstrated to the contest officials that the boat has not been damaged to the point where it might not operate safely. This rule does not apply to R/C Combat.
2. No boats will be started on tables or in the working pits with prop attached, unless it is properly shrouded and protected from accidental contact. No boats will be started in the working pits and then carried to the launching area.
3. Method of propulsion will be of the type that functions by propeller contact with the water or air. Air prop driven boats will be limited to "1/2 A" or "A" class engines only, see Section 10 – rule A.1. Boats propelled with air props must have the prop shrouded, and must have an underwater rudder or skeg of at least one inch square. Inertia reaction devices such as rockets or jets are prohibited.
4. A positive means of engine shut-off and/or positive throttle control is required of all boats.
5. Radio on/off switches will be positioned in such a manner as to prevent accidental shut off if bumped during handling, launching, or running.

| | | |
|---|--------------|----------------|
|  North American Model Boat Association Official Rule Book | Section Name | ENGINES |
| | Section # | 10 |
| | Page # | 1 of 1 |
| | Revised | 5/31/23 |

A. ENGINE CLASSIFICATION

1. Internal combustion glow engines:

| <u>Class</u> | <u>Displacement</u> |
|--------------|---|
| 1/2 A | 0 - 2.115 cc (0 - 0.129 cu.in.) |
| A | 2.116 - 3.540 cc (0.130 - 0.216 cu. in.) |
| B | 3.541 - 7.509 cc (0.217 - 0.458 cu. in.) |
| C | 7.51 - 11.009 cc (0.459 - 0.671 cu. in.) |
| X | 11.01 – 35.000 cc (0.672 – 2.136 cu. in.) |

2. Internal combustion spark engines - see Section 27

3. Electric Motors – see Section 28

B. NOISE ABATEMENT

1. All boats must meet a maximum of 95dB measured by a dB meter placed 50 feet back from the shoreline.
2. For correct readings there should be no obstructions between the meter and the shoreline, the meter should not be set up under an awning or overhang, and the meter should not be handheld.
3. It will be up to the discretion of the Contest Director to disqualify a boat from a heat in which a boat was measured over 95 dB, or allow the driver to make the appropriate changes so as to meet the noise limit, and continue in the next heat. If the boat exceeds the 95 dB limit in the subsequent heat the driver will be disqualified, and be awarded zero points for both heats in question.

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|---------------------------------|-----------|----------------|
| Section Name: RECORDS | Section # | 14 |
| | Page # | 3 |
| | Revised | 5/31/23 |

b. Timing Equipment Specifications

- i) The device or devices used to time and record 1/16th mile straightaway record runs will be automatic infrared equipment, and will be capable of timing to the nearest 1/100th second
- ii) The equipment used to trigger the timing equipment must have the differences between the trigger points, when tracking from opposite directions, of no more than four feet when checked at a distance of 300 feet. In addition, the measured difference for each piece of tracking equipment will be within plus or minus six inches of each other. Example: at 100 MPH, the boat will cover 1.47 feet in 0.01 seconds, thus the plus or minus six inches will still give accurate results even at this speed.

c. Any 1/16th mile straight-line record which has been set on a NAMBA legal course using fixed infrared sights coupled to digital automatically actuated timing devices will not be removed from the books after a three year time period.

d. For record purposes, a lake must have a minimum of 300 feet clear for shut off and for acceleration and must be certified.

e. Pit Time

- i) Starting and launching time, otherwise known as Pit Time, will be determined by the host club with a two minute minimum. Pit Time will commence upon a signal from the starting judge.

f. Engine Starting

- i) If the engine of the contestant's boat is running at the expiration of Pit Time and the boat is up off the starting stand, the boat will be permitted to be launched. If a contestant has failed to start the engine in the allotted Pit Time, failure to start will be considered as a run and will be recorded as scratched on the time sheet.

g. Running Time

- i) Speed running time will commence when a boat is released from the pit and will not exceed five minutes.

3. Two Lap Oval Time Trials


- a. At the Contest Director's discretion, Pit Time and Run Time will be a minimum of five minutes.

| | | |
|---------------------------------|-----------|----------------|
| Section Name: RECORDS | Section # | 14 |
| | Page # | 4 |
| | Revised | 5/31/23 |

- b. Two-lap 1/3 mile oval record attempts will consist of two consecutive laps around a standard six lap – one mile course, as described in Section 13 – rule C.2. These two laps must be made on a continuous run with no physical intervention by the operator or any other person between laps. A cut buoy(s) during a lap will disqualify the lap. Contestants may make as many laps as possible in their allotted time.
- c. To be recognized as an official record, all two lap 1/3 mile records must be measured by use of infrared equipment. No records will be set if timed by the use of manually operated scanning devices or stopwatches.
- d. Any record which has been set using fixed infrared sights coupled to digital automatically actuated timing devices will not be removed from the books after a three year time period.

D. AWARDS AND RECOGNITION

- 1. Any person whose boat sets a NAMBA record will be given his signed record application and is responsible for sending it to the Records Chairman within two working days after the meet. It is the responsibility of the contestant to verify that the record application is correctly completed in ink or indelible pencil. Record applications sent anywhere other than to the Records Chairman may be delayed.
- 2. Record applications which are not submitted on the appropriate form or are missing the necessary signatures will be denied.
- 3. Upon receipt of the completed record application, the Records Chairman will update the appropriate record listing. Periodic updates of all records will be posted on the web page.
- 4. Any record applicant who so desires may, with the payment of the applicable fee, request an engraved record shield to commemorate the record by contacting the NAMBA Secretary's office.

| | | |
|---|--------------|------------------|
|  North American Model Boat Association Official Rule Book | Section Name | SANCTIONS |
| | Section # | 15 |
| | Page # | 1 of 2 |
| | Revised | 5/31/23 |

A. GENERAL

1. A sanction is a protection to the contestants and an assurance that the rules and regulations of NAMBA will be impartially enforced.
2. A sanction is an authorization or approval of a certain event which binds the holders of the event to comply with NAMBA rules and regulations, and guarantees that the result of said event will be recognized as official.
3. Sanctions must be accompanied by the appropriate fee, and be on proper forms.

B. NATIONALS

1. No other sanction is to be issued during a Nationals or the week after. Exceptions may be granted with the approval of the Board of Directors. In an effort to facilitate scheduling, the dates for a Nationals should be determined as soon as possible.

C. DISTRICT

1. District sanctions will be granted only for holidays or weekends so that all members may have a chance to attend.
2. In general, sanctions will be limited to one per year, per club for races for district points, with dates spaced to ensure optimum attendance. Exceptions to this limit may be granted by the District Director.
3. It will be customary to protect a club's race dates in subsequent years if said club has fulfilled all sanction obligations.
4. Sanctions will not be granted on the same dates for events within such distance of each other that the sanctioning officials have reason to believe that the success of either contest or race might be jeopardized. Sanctioned district point contests will take precedence over all others.
5. Sanctions will be granted when submitted and approved by the District Director within the NAMBA portal not less than 30 days prior to a contest, insofar as possible. Exceptions to this may be granted at the discretion of the District Director.

| | | |
|-----------------------------------|-----------|----------------|
| Section Name: SANCTIONS | Section # | 15 |
| | Page # | 2 |
| | Revised | 5/31/23 |

D. OTHER

1. Sanctions for record trials only will be granted by the Executive Secretary not less than 30 days prior to event.
2. Sanctioned club contests or other special events will be defined as a race or series of races where prizes or awards are given to competitors for participation in a race in accordance with the general racing rules of NAMBA.

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|---|-----------|----------------|
| Section Name: RACE ORGANIZATION | Section # | 16 |
| | Page # | 5 |
| | Revised | 5/31/23 |

H. PROTESTS

1. In all sporting events, situations develop that require judgment calls or decisions on the part of contest officials and all such decisions made herein will be final and may not be protested.
2. Continued verbal protests, harangues and/or other abuse, either direct or indirect of any contest officials will be considered unsportsmanlike conduct and will be just cause to bar that contestant or crew person from any further participation in that contest.
3. All protests for engines and hulls must be made in writing to the Contest Director and accompanied by a \$25 protest fee. If the protest is found to be invalid, the fee will go to the owner of the protested boat. If the protest is found to be valid, the fee is to be returned to the protester.
4. A protested hull or engine will be measured by a committee made up of the Contest Director, the District Director or his authorized representative present at the event, and one other NAMBA member other than the protester or owner of the protested engine or hull. Measurements will be made in the presence of the owner and results thereof will be made known in writing and signed by each member of the three person committee and be forwarded with their decision to the Executive Secretary, the Board of Directors, and the President of NAMBA.
5. A protested hull or engine will be allowed to run in the event(s) entered. However, any points, records, places, etc. won will be held pending the resolution of the protest.
6. Protests on the legality of a boat's engine will be done after the 4th round of the class. A boater that has an engine under protest will be allowed to complete the racing for the day.
7. Protests on the legality of a boat itself, will be done prior to the start of the 2nd round. When the 2nd round of racing begins, the opportunity to examine every boat in that class will have occurred, thus allowing the CD the opportunity to determine if it meets the minimum requirements to continue.
8. A protest of any kind must be made at the contest so all factors can be available.

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|---|-----------|----------------|
| Section Name: RACE ORGANIZATION | Section # | 16 |
| | Page # | 6 |
| | Revised | 5/31/23 |

I. AWARDS

1. The members of NAMBA will be allowed to accept merchandise, merchandise gift certificates, and trophies as competitive awards. Any NAMBA member can receive earned racing awards. However, the awarding of district points will be left to the discretion of the district in which the race is held. Cash and cash equivalent awards are not permitted.
 - a. Examples of cash equivalent awards would be but are not limited to: pre-paid debit cards, money orders, cashier's checks, and other items that are directly redeemed in cash.

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|--|-----------|----------------|
| Section Name: SCALE UNLIMITED HYDROPLANE | Section # | 21 |
| | Page # | 3 |
| | Revised | 5/31/23 |

6. The boat's engine, tuned pipe and muffler must be concealed within the boat as well as possible while not deviating from scale appearance. Scale engine cowls, fake engines, painted screen, etc. are permitted.
7. The number of props and rudders will coincide with that of the original full sized unlimited hydroplane.
8. Outdrive units and outdrive engine(s) are prohibited unless the full sized boat after which the boat is being modeled had an outdrive or outdrive engine(s), in which case the model must be configured like the full sized boat.
9. The propeller drive dog may extend one drive dog length beyond the transom.
10. The boat bottom/sponson profile will be the same general appearance as that of the full sized unlimited hull it represents with the following exceptions:
 - a. Sponson riding surfaces may be modified.
 - b. Propeller shafts may be articulated.
 - c. Rudders and skid fins may be configured and located as desired.

D. ENGINE SPECIFICATIONS

1. The engine must conform to NAMBA Class C specifications, see Section 10 – rule A.1.

E. MASTER HULL ROSTER

1. The Scale Unlimited Hydroplane Master Hull Roster will contain the name and details that identify each boat that may be built for Scale Unlimited Hydroplane competition. It will contain the principle dimensions of each boat that is listed, if known.
2. The National Scale Unlimited Hydroplane Chairman will be responsible for compiling, interpreting, updating, and distributing the official Scale Unlimited Hydroplane Master Hull Roster. He will make an updated roster available by January 31st of each year. The updated Master Hull Roster will be posted on the NAMBA web page.
3. Boats must meet the following criteria to be placed on the Scale Unlimited Hydroplane Master Hull Roster:
 - a. The full sized boat must have been registered with an unlimited hydroplane racing association.

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|--|-----------|----------------|
| Section Name: SCALE UNLIMITED HYDROPLANE | Section # | 21 |
| | Page # | 4 |
| | Revised | 5/31/23 |

- b. The registered boat must have made at least one verifiable test run in the water.
4. The Scale Unlimited Hydroplane Master Hull Roster will include the name, address, and telephone number of the National Scale Unlimited Hydroplane Chairman, all District Scale Unlimited Hydroplane Chairmen, and all known manufacturers, builders, photographers, plan makers, etc. which are helpful in building Scale Unlimited Hydroplanes.

F. SCALE CONCOURS JUDGING

1. All boats are to be judged from six feet off (stand off scale). A picture must be supplied to the contest director for each boat entered in the concours judging.
2. To be eligible for the Concours Award, the boat must be at least start in one heat race with its appearance/configuration as presented at the Concours Judging. No substitution or replacement of cowl, fake engine, wing(s) or other scale items will be allowed.
3. Judging will be based upon a point system as follows:
 - a. Documentation
 - i) 0-20 points - Photograph(s)/Presentation
 - ii) General Appearance
 - iii) 0-10 points - Workmanship
 - iv) 0-10 points - Engine, exhaust, and radio gear concealment
 - b. Detail
 - i) 0-10 points - Engine/cowl detail
 - ii) 0-10 points - Driver detail
 - iii) 0-10 points - Cockpit detail
 - c. Paint Job, Markings, Etc.
 - i) 0-10 points - True colors
 - ii) 0-10 points - Scale of markings, decals, lines, numbers
 - iii) 0-10 points - Overall finish

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| Section Name: ELECTRIC | Section # | 28 |
| | Page # | 13 |
| | Revised | 5/31/23 |

5. ECO

- a. Purpose - to provide an “economical” electric class utilizing affordable and readily available 05 motors and economical hardware.
- b. General Rules
 - i) These ECO Class electric racing rules are intended as a supplement to the general and Electric racing rules of NAMBA. In the case of a conflict, ECO class rules will prevail.
 - ii) This class will comply with the existing rules for electric Offshore with exceptions as specified below.
- c. Hull Specifications
 - i) This class will comply with the existing rules NAVIGA ECO class.
 - ii) Boats must use a submerged drive with the rudder pivot forward of the transom.
 - iii) There is no minimum or maximum hull length.
- d. Motor Specifications
 - i) A Limited Modified class utilizing any NORCA approved motor as defined by current NORCA 19T Limited Modified rules. 1-6 cells are permitted.
 - ii) Any ROAR-approved stock motor as defined by current ROAR parameters. 1-6 cells are permitted.
 - iii) Motors must be in accordance with current NORCA rules for 19T Limited Modified Motors, or with ROAR motor rules for stock motors. From 1 to 6 Sub-C cells only are permitted; any battery chemistry is allowed.
- e. Official Courses
 - i) The course size for records will be the standard electric Offshore course.
 - ii) In the absence of a legal Offshore course, the host club may use any oval format desired. Records may not be set on such a course.

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|----------------------------------|-----------|----------------|
| Section Name: ELECTRIC | Section # | 28 |
| | Page # | 14 |
| | Revised | 5/31/23 |

- iii) The host club may elect to use a NAVIGA Triangle course as defined in current NAVIGA rules.
- iv) Straight-line racing will utilize the standard NAMBA 1/16 mile straight-line course. Straight-line records must be set using cells described above.
- v) Record Courses
 - (a) Must be a NAMBA 1/10 mile electric course.
 - (b) The left turn entrance buoy is to be located 45 feet from each turn exit buoy.
 - (c) The left turn exit buoy is to be located 45 feet from the left turn entrance buoy.

f. Race Format

- i) The length of each heat will be in two minute increments (i.e. four, six, eight, etc). When time is called, boats will race to the Start/Finish line to determine the final positions.
- ii) A flying clock start or a Le Mans type start may be used.

6. ELECTRIC 1/8 SCALE UNLIMITED HYDROPLANE

a. General Rules

- i) Electric Scale Unlimited Hydroplane rules will follow the Scale Unlimited Hydroplane rules (see Section 21) with the exception of the following:
- ii) Electric Scale Unlimited Hydroplane rules are intended as a supplement to the Electric general rules. In the case of a conflict with the Scale Unlimited Hydroplane rules (see Section 21), the Electric rules will prevail.

b. Power Specifications

- i) Motors shall not exceed the manufacturer's kV rating of 860 kV (950kV breakout threshold).
- ii) Motors may not have a motor case exceeding the following dimensions, including any bearing protrusions:
 - (a) Length: 105 mm (4.134 in.)
 - (b) Diameter: 42 mm (1.654 in.)