

**BYLAWS and Racing Rules for
GRAND PRIX World, LLC
(May, 2018)**

PREAMBLE

The Grand Prix World, LLC (“GPW”) promotes a homogeneous class of hydroplane racing where technology, hulls, engine packages, and drivers that provides close, exciting competition. The GPW is an independent “club” of and operates in conjunction with the American Power Boat Association (“APBA”). Prior to each racing season the Board of Directors will select a “core” schedule of races at which boat teams and drivers will compete for points leading to a Champion for the APBA national championship for Grand Prix hydroplanes and the championship of GPW. It is important to note that races can be selected from anywhere. Teams will be asked to support the core schedule and are encouraged to represent the GPW in events and exhibitions around the world, encouraging teams to join GPW, thereby creating a highly marketable product, attractive to major sponsors, and enabling GPW to export GPW’s entertainment/advertising value through all forms of media.

ARTICLE I - MEMBERSHIP

1.1 Classes of Members

The association has two classes of members: Voting Members and Associate Members. Additional classes of members, the manner or election or appointment of each class of members, and the qualifications and rights of each class of members may be established by amendment to these Bylaws. All members, either Voting or Associate, must fill out a membership application and provide payment prior to the members first GPW LLC race. The dues for payment will be established by the board and will be listed as such on the membership application. In the event of non-payment of dues prior to the first race payment, dues will be held out of any prize monies due to the participant. Yearly dues may be waived at the discretion of the board. Owners and drivers of GPW LLC boats must be a current member of GPW LLC. Owners, Drivers and Crew Members shall also be current members of APBA.

1.2 Voting Members

A Voting Member shall be an owner with an APBA registered Grand Prix hydroplane who is a member in good standing of GPW. If a Grand Prix hydroplane is owned by a partnership, association, or other entity consisting of more than one person, the partnership, association or entity must designate one individual as the voting representative of such entity. New owner members will be subject to approval by a majority vote of the Board of Directors. A member may be elected or appointed to membership by the Board. Members may have such other qualifications as the Board may prescribe by amendment to these Bylaws.

1.3 Associate Members

Associate Members are defined as those members that are owners, drivers, crew members, or otherwise affiliated with the sport of boat racing that are not owners of Grand Prix hydroplanes and have paid the membership dues as fixed by the Board of Directors. Associate Members shall not have the right to vote on corporate business, or offices, and all other rights and privileges of Associate Members shall be fixed and determined by the Board of Directors.

1.4 Voting Rights

1.4.1 Only those Voting Members that have participated in at least one APBA GP race during the preceding season shall have the right to vote on matters that may come before the Association at any annual, regular or special meeting of the Association.

1.4.2 Each Voting Member shall be entitled to one vote upon each such issue.

1.4.3 Each Voting Member entitled to vote at an election of the Board Directors may cast one vote for as many persons as there are Directors to be elected and for whose election such member has a right to vote. Cumulative voting is not permitted.

1.5 Annual Meeting

The annual meeting of the members shall be held at such geographic location as the Board declares, to electing Members of the Board of Directors ~~and Officers~~ and transacting such other business as may properly come before the meeting. The annual meeting shall be held in November, or such other date and time as is designated by the Board.

1.6 Special Meetings

The President, Vice President, the Board, or not less than 75% of the Voting Members entitled to vote at such meeting, may call special meetings of the Voting Members for any purpose.

1.7 Place of Meetings

All meetings of members shall be held at the principal office of the association or at such other place within or without the State of Washington designated by the President, the Board, by the members entitled to call a meeting of members, or by a waiver of notice signed by all members entitled to vote at the meeting.

1.8 Notice of Meetings

The President, the Secretary or the Board shall cause to be delivered to each member entitled to notice of or to vote at the meeting, either personally or by regular mail or by E-mail, not less than five nor more than fifty days before the meeting, written notice stating the place, date and time of the meeting and, in the case of a special meeting, the purpose or purposes for which the meeting is called. At any time, upon the written request of not less than 75% of the members entitled to vote at the meeting, it shall be the duty of the Secretary to give notice of a special meeting of members to be held at such date, time and place as the Secretary may fix, not less than five nor more

than thirty-five days after receipt of such written request, and if the Secretary shall neglect or refuse to issue such notice, the person or persons making the request may do so and may fix the date, time and place for such meeting. If such notice is mailed, it shall be deemed delivered when deposited in the official government mail properly addressed to the member at his or her address as it appears on the records of the association with postage thereon prepaid.

1.9 Waiver of Notice

Whenever any notice is required to be given to any member under the provisions of these Bylaws, the Articles of Incorporation or applicable Washington law, a waiver thereof in writing, signed by the person or persons entitled to such notice, whether before or after the time stated therein, shall be deemed equivalent to the giving of such notice.

1.10 Quorum

51% of the Members of the association entitled to vote represented in person or by proxy, shall constitute a quorum at a meeting of the members. If less than a quorum of the members entitled to vote is represented at a meeting, a majority of the members so represented may adjourn the meeting from time to time without further notice.

1.11 Manner of Acting

The vote of a majority of the votes entitled to be cast by the Voting Members represented in person or by proxy at a meeting at which a quorum is present shall be necessary for the adoption of any matter voted upon by the members, unless a greater proportion is required by applicable Washington law, the Articles of Incorporation or these Bylaws.

1.12 Proxies

A Voting Member may vote by proxy executed in writing by the member or by his or her attorney-in-fact. Such proxy shall be filed with the Secretary of the association before or at the time of the meeting. A proxy shall become invalid eleven months after the date of its execution unless otherwise provided in the

proxy. A proxy with respect to a specific meeting shall entitle the holder thereof to vote at any reconvened meeting following adjournment of such meeting but shall not be valid after the final adjournment thereof.

1.13 Action by Members Without a Meeting

Any action which could be taken at a meeting of the members may be taken without a meeting if a written consent setting forth the action so taken is signed by all members entitled to vote with respect to the subject matter thereof. Such written consents may be signed in two or more counterparts, each of which shall be deemed an original and all of which, taken together, shall constitute one and the same document. Any such written consent shall be inserted in the minute book as if it were the minutes of the meeting of the members.

1.14 Meetings by Telephone

Members of the association may participate in a meeting of members by means of a conference telephone or similar communications equipment by means of which all persons participating in the meeting can hear each other at the same time. Participation by such means shall constitute presence in person at a meeting.

ARTICLE II - BOARD OF DIRECTORS

2.1 General Powers

The affairs of the association shall be managed by a Board of Directors ("BOD" or Board").

2.2 Number

The Board shall consist of not less than three nor more than seven Directors, the specific number to be set by resolution of the Board. The number of Directors may be changed from time to time by amendment to these Bylaws, provided that no decrease in the number shall have the effect of shortening the term of any incumbent Director.

2.3 Qualification

Directors shall be Voting Members of the Association. To be eligible to serve on the Board, a member must have raced in the previous year. Once on the Board, the member must continue to race at least one of the scheduled races. If he/she does not, then voting privileges of the board member are suspended for the next racing year, commencing at the corporation's annual meeting. The Board member may regain voting privileges after racing at one of the races in the year of his suspension. If the member does not race in two consecutive years of suspension, the Board member will lose his/her seat on the Board. Directors may have such other qualifications as the Board may prescribe by amendment to these

Bylaws. Where the owner of a boat consists of more than one individual, no more than one representative of said owner may serve on the Board of Directors at any time. The Board may declare up to two (2) individuals who are not owners with an APBA registered GP boat number as eligible to be elected to the Board.

2.4 Director Classes

There shall be two classes of Directors, Class 1 and Class 2, for the purpose of establishing terms and election dates. The members and election dates of each Class of Directors shall be established by Resolution of the Board of Directors. The election of Directors may be conducted by mail or in such other manner as the Board of Directors shall determine, which may be different from year to year. Class 1 directors shall be elected in an even numbered year and class 2 directors shall be elected in an odd numbered year.

2.5 Term of Office

Directors shall hold office for a term of two years. A member of the Board of Directors may serve multiple terms if re-elected. Unless a Director dies, resigns or is removed, he or she shall hold office until the next annual meeting of the Board or until his or her successor is elected, whichever is later. A Director who fills a vacancy shall serve for the unexpired term of his or her predecessor in office.

2.6 Annual Meeting

The annual meeting of the Board shall be held without notice immediately following and at the same place as the annual meeting of the corporation for the purpose of electing the officers of the Association for the ensuing year following the last scheduled race of the year.

2.7 Regular Meetings

The Board may specify the date, time and place for the holding of regular meetings.

2.8 Special Meetings

Special meetings of the Board or any committee designated by appointment by the Board may be called by or at the written request of the President or any two Directors, or, in the case of a committee meeting, by the chairman of the committee. The person or persons authorized to call special meetings may fix any place either within or without the State of Washington as the place for holding any special Board or committee meeting called by them.

2.9 Meetings by Telephone, Facsimile Transmission or Electronic Mail

Members of the Board or any committee designated by the Board may participate in a meeting of such Board or Committee by means of a conference

telephone, facsimile transmission, e-mail, or similar communications equipment. Participating by such means shall constitute presence in person at a meeting. Notwithstanding anything other provision contained herein, a meeting to be conducted solely by electronic communications may be called pursuant to oral or written notice provided to each member at least 24 hours prior to such meeting.

2.10 Place of Meetings

All meetings shall be held at the principal office of the association or at such other place within or without the State of Washington designated by the Board, by any persons entitled to call a meeting or by a waiver of notice signed by all Directors.

2.11 Notice of Special Meetings

Notice of special Board or committee meetings shall be given to a Director in writing or by personal communication with the Director not less than five days before the meeting. Notices in writing may be delivered or mailed to the Director at his or her address shown on the records of the association. Neither the business to be transacted at, nor the purpose of any special meeting need be specified in the notice of such meeting. If notice is delivered by mail, the notice shall be deemed effective when deposited in the official government mail properly addressed with postage thereon prepaid.

2.12 Waiver of Notice

2.12.1 In Writing

Whenever any notice is required to be given to any Director under the provisions of these Bylaws, the Articles of Incorporation or applicable Washington law, a waiver thereof in writing, signed by the person or persons entitled to such notice, whether before or after the time stated therein, shall be deemed equivalent to the giving of such notice. Neither the business to be transacted at, nor the purpose of, any regular or special meeting of the Board need be specified in the waiver of notice of such meeting.

2.12.2 By Attendance

The attendance of a Director at a meeting shall constitute a waiver of notice of such meeting, except where a Director attends a meeting for the express purpose of objecting to the transaction of any business because the meeting is not lawfully called or convened.

2.13 Quorum

A majority of the number of Directors fixed by or in the manner provided by these Bylaws shall constitute a quorum for the transaction of business at any Board meeting. If a quorum is not present at a meeting, a majority of the Directors

present may adjourn the meeting from time to time without further notice.

2.14 Manner of Acting

The act of the majority of the Directors present at a meeting at which there is a quorum shall be the act of the Board, unless the vote of a greater number is required by these Bylaws, the Articles of Incorporation or applicable Washington law.

2.15 Proxies

A Board Member may vote by proxy executed in writing by the Member or by his or her attorney-in-fact. Such proxy shall be filed with the Secretary of the association before or at the time of the meeting. A proxy shall become invalid eleven months after the date of its execution unless otherwise provided in the proxy. A proxy with respect to a specific meeting shall entitle the holder thereof to vote at any reconvened meeting following adjournment of such meeting but shall not be valid after the final adjournment thereof.

2.16 Presumption of Assent

A Director of the association present at a Board meeting at which action on any matter is taken shall be presumed to have assented to the action taken unless his or her dissent or abstention is entered in the minutes of the meeting, or unless such Director files a written dissent or abstention to such action with the person acting as secretary of the meeting before the adjournment thereof, or forwards such dissent or abstention by registered mail to the Secretary of the association immediately after the adjournment of the meeting. Such right to dissent or abstain shall not apply to a Director who voted in favor of such action.

2.17 Written Consents

Any action which could be taken at a meeting of the Board may be taken without a meeting if a written consent setting forth the action so taken is signed by each of the Directors. Such written consents may be signed in two or more counterparts, each of which shall be deemed an original and all of which, taken together, shall constitute one and the same document. Any such written consent shall be inserted in the minute book as if it were the minutes of a Board meeting.

2.18 Resignation

Any Director may resign at any time by delivering written notice to the President or the Secretary at the registered office of the association, or by giving oral or written notice at any meeting of the Board of Directors. Any such resignation shall take effect at the time specified therein, or if the time is not specified, upon delivery thereof, unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

2.19 Removal

At a meeting of members called expressly for that purpose, one or more Directors (including the entire Board) may be removed from office, with or without cause, by three-fourths of the votes cast by members then entitled to vote on the election of Director represented in person or by proxy at a meeting of members at which a quorum is present.

2.20 Vacancies

A vacancy in the position of Director may be filled by the affirmative vote of a majority of the remaining Directors as long as there remains a quorum of the Board. If no such quorum remains, the President shall call for an election to fill the vacancies. A Director who fills a vacancy shall serve for the unexpired term of his or her predecessor in office.

2.21 Officers Ex Officio Board Members

Each officer of the Association, if not otherwise a voting member of the Board of Directors, shall, ex officio, be a voting member of the Board of Directors. A person holding any combined officer positions shall be entitled to only one (1) vote.

2.22 Compensation

The Directors shall receive no compensation for their service as Director but may receive reimbursement for expenditures incurred on behalf of the association.

ARTICLE III - OFFICERS

3.1 Number and Qualifications

The officers of the association shall be a President, Vice President, and a Secretary/Treasurer, each of whom shall be elected by the Board. Other officers and assistant officers may be elected or appointed by the Board, such officers and assistant officers to hold office for such period, have such authority and perform such duties as are provided in these Bylaws or as may be provided by resolution of the Board. Any officer may be assigned by the Board an additional title that the Board deems appropriate. Any two or more offices may be held by the same person, except the offices of President and Secretary/Treasurer.

3.2 Election and Term of Office

The officers of the association shall be elected each year by the Board at the annual meeting of the Board in November, or as such other time as the Board

shall determine by Resolution. The President shall be elected in odd-numbered years and the Vice-President and Secretary/Treasurer shall be elected in even-numbered years. Unless an officer dies, resigns, or is removed from office, he or she shall hold office until the next annual meeting of the Board or until his or her successor is elected.

3.3 Resignation

Any officer may resign at any time by delivering written notice to the President, a Vice President, the Secretary or the Board, or by giving oral or written notice at any meeting of the Board. Any such resignation shall take effect at the time specified therein, or if the time is not specified, upon delivery thereof and, unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

3.4 Removal

Any officer or agent elected or appointed by the Board may be removed from office by the Board whenever in its judgment the best interests of the association would be served thereby, but such removal shall be without prejudice to the contract rights, if any, of the person so removed.

3.5 Vacancies

A vacancy in any office by the death, resignation, removal, disqualification, creation of a new office or any other cause may be filled by the Board for the unexpired portion of the term or for a new term established by the Board.

3.6 President

The President shall be the chief executive officer of the association and, subject to the Board's control, shall supervise and control all of the assets, business and affairs to the association. The President shall preside over meetings of the members and the Board. The President may sign deeds, mortgages, bonds, contracts, or other instruments, except when the signing and execution thereof have been expressly delegated by the Board or by these Bylaws to some other officers or agent of the association or are required by law to be otherwise signed or executed by some other officer or in some other manner. In general, the President shall perform all duties incident to the office of President and such other duties as are assigned to him or her by the Board from time to time.

3.7 Vice President

In the event of the death of the President or his or her inability to act, the Vice President shall perform the duties of the President, except as may be limited by resolution of the Board, with all the powers of and subject to all the restrictions upon the President. The Vice President shall have, to the extent authorized by President or the Board, the same powers as the President to sign deeds,

mortgages, bonds, contracts or other instruments. The Vice Presidents shall perform such other duties as from time to time may be assigned to them by the President or the Board.

3.8 Secretary/Treasurer

3.8.1: Duties of the Secretary. The Secretary shall: (a) keep the minutes of the meetings of the members and the Board, and minutes which may be maintained by committees of the Board; (b) see that all notices are duly given in accordance with the provisions of these Bylaws or as required by law; (c) be custodian of the corporate records of the association; (d) keep records of the post office address and class, if applicable, of each member and Director and of the name and post office address of each other; (e) sign with the President, or other officer authorized by the President or the Board, deeds, mortgages, bonds, contracts, or other instruments; and (f) in general perform all duties incident to the office of Secretary and such other duties as from time to time may be assigned to him or her by the President or the Board.

3.8.2: Duties of the Treasurer. The Treasurer shall have charge and custody of and be responsible for all funds and securities of the association; receive and give receipts for monies due and payable to the association from any service whatsoever, and deposit all such monies in the name of the association in banks, trust companies or other depositories selected in accordance with the provisions of these Bylaws; disburse payment for approved expenditures and in general perform all of the duties incident to the office of Treasurer and such other duties as from time to time may be assigned to him or her by the President or the Board. If required by the Board, the Treasurer shall give a bond for the faithful discharge of his or her duties in such amount and with such surety or sureties as the Board may determine.

ARTICLE IV - COMMITTEES

4.1. Standing or Temporary Committees

The Board, by resolution adopted by a majority of Directors, may designate and appoint one or more standing or temporary committees, each of which shall consist of two or more Member. Such committees shall have and exercise the authority of the of the association, subject to such limitations as may be prescribed by the Board; except that no committee shall have the authority to: (a) amend, alter or repeal these Bylaws; (b) elect, appoint or remove any member of any other committee or any Director of officer of the association; (c) amend the Articles of Incorporation; (d) adopt a plan of merger or consolidation with another association; (e) authorize the sale, lease or exchange of all or substantially all of the property and assets of the association not in the ordinary course of business; (f) authorize the voluntary dissolution of the association or revoke proceedings therefore; (g) adopt a plan for the distribution of the assets of the association; or (h) amend, alter or repeal any resolution of the Board which by its terms provides that it shall not be amended, altered or repealed by a committee. The designation and appointment of any such committee and the delegation thereto of authority shall not operate to relieve the Board of any individual Director of any responsibility imposed upon it, him or her by law.

4.2 Quorum; Manner of Acting

A majority of the number of members composing any committee shall constitute a quorum, and the act of a majority of the members of a committee present at a meeting at which a quorum is present shall be the act of the committee.

4.3 Resignation

Any member of any committee may resign at any time by delivering written notice thereof to the President, the Secretary or the chairperson of such committee, or by giving oral or written notice at any meeting of such committee. Any such resignation shall take effect at the time specified therein, or if the time is not specified, upon delivery thereof and, unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

4.4 Removal of Committee Member

The Board, by resolution adopted by a majority of the Directors in office, may remove from office any member of any committee elected or appointed by it.

ARTICLE V - ADMINISTRATIVE PROVISIONS

5.1 Offices

The principal office of the association shall be located at its principal place of business or such other place as the Board of Directors ("Board") may designate. The association may have such other offices, either within or without the State of Washington, as the Board may designate or as the business of the association may require from time to time.

5.2 Books and Records

The association shall keep at its principal or registered office copies of its current Articles of Incorporation and Bylaws; correct and adequate records of accounts and finances; minutes of the proceedings of its members and Board, and any minutes which may be maintained by committees of the Board; records of the name and address and class, if applicable of each member and Director, and of the name and post office address of each officer; and such other records as may be necessary or advisable. All books and records of the association shall be open at any reasonable time to inspection by any member of three months standing or to a representative of more than five percent of the membership.

5.3 Financial Obligations

Financial obligations of the Association, except such as are incurred in the

routine performance of its affairs, shall be incurred only by authority of the Board of Directors.

5.4 Signatures

All contracts, obligations, notes and other evidences of indebtedness of the Association shall be signed by the president or vice president, upon approval by the Board of Directors.

5.5 Depositories

The board of directors may create, by resolution, such depository or depositories for the moneys of the Association as it shall elect. All disbursements of the Association shall be by check.

5.6 Withdrawals

Moneys on deposit to the credit of the Association shall be withdrawn, unless otherwise specifically ordered by the board of directors, only by check signed by the president, vice president, the treasurer, and/or other board members as may be determined by the board of directors by resolution.

5.7 Loans Prohibited

No loans shall be made by the Association to any officer or to any director.

5.8 Accounting Year

The accounting year of the Association shall be the twelve months ending December 31st.

5.9 Rules of Procedure

The rules of procedure at meetings of the corporation, Board or committees shall be rules contained in Roberts' Rules of Order on Parliamentary Procedure, newly revised, so far as applicable and when not inconsistent with these Bylaws, the Articles of Incorporation or any resolution of the Board.

ARTICLE VI - AMENDMENTS

These Bylaws may be altered, amended or repealed and new Bylaws may be adopted by the vote of the Board of Directors by a majority of the number of Directors fixed by or in the manner provided by these Bylaws.

ARTICLE VII - TEAM RESPONSIBILITIES - RECOMMENDATIONS

7.1 All competing teams should make available to the event coordinator or the race promoter if requested, 30 days prior to the event, a press kit, including a color

picture in “jpg” or other suitable format and a one page information sheet about the team, driver, boat and sponsors. All competing teams are strongly encouraged to participate in event promotions such as parades, autograph sessions, sponsor parties, etc. Each competing team should have handout pictures/hero cards available at each event. GPW QR code and any sponsor or other graphic required by the Board of Directors on their boat and on their hauler.

7.2 It is permissible for an owner to utilize a name on the boat which may be related to the name of the owner, or to some particular product of the owner or a sponsor of the boat. The Grand Prix West Board of Directors and/or the President shall have the power to reject any name which is objectionable, contrary to the best interests of the sport, or in conflict with a name already registered.

ARTICLE VIII - PRIZE AND TOW MONEY

Prize and/or tow money payout schedule shall be established by the GPW Board of Directors and published prior to each racing season.

ARTICLE IX - GENERAL, TECHNICAL, SPECIFICATIONS, RACING RULES AND REQUIREMENTS

9.1 All general, technical, specification, and racing procedures and requirements shall be governed by the Inboard Racing Rules, General Racing and General Safety Rules of the American Power Boat Association (“APBA”) unless specifically noted in these rules as indicated by **BOLD print**.

9.2 **The following is the current APBA Rule 48 governing GP Class racing and shall apply unless noted.**

RULE 48 - GRAND PRIX HYDROPLANE CLASS (2018)

- 48.1** For safety reasons, boats may cross the starting line before the last thirty (30) seconds prior to the official start of the race. All boats crossing the starting line during the last thirty (30) seconds before the official start will be assessed a one (1) minute penalty. Prior to the start of the race, lanes must be established at the entrance pin of turn two and maintained to the exit buoy of turn one after the start.
- 48.2** Boat high points may be transferred to a team backup boat. The backup boat must have the same name and number. A boat owner may accumulate points with only one boat per event.
- 48.3** The consumption or use of any alcohol in the working paddock or pits shall be expressly prohibited until 30 minutes after the last heat of the day or inspection is completed, whichever is later. Specifically, drivers shall not consume alcohol in any form during the twelve (12) hour period immediately prior to the start of an event. The boat owner shall be directly responsible for the conduct of any and all members of his crew.
- 48.4 Conduct of races (Recommended Format)**
- 48.4.1** Time trials or up to 3 qualification heats, semifinal (time permitting), and a final. The **Director of Competition** has the option of competing **for lanes**, drawing for lanes, **or**

assigned lanes per published HRL Rules. The method of starting shall be announced on the first day of the event.

48.5 Hull

48.5.1 The hulls in the GP class must be hydroplanes; runabout hulls are not acceptable. Maximum length is 26 feet including projections. Hull minimum weight shall be 2,700 pounds without driver.

48.5.1.1 Hulls built prior to Dec 31, 2007 have a minimum length of 23 feet excluding projections not integral part of the hull structure. Maximum width is 12' 9".

48.5.1.2 Hulls built or rebuilt after Dec 31, 2007 have a minimum length of 24 feet excluding projections not integral part of the hull structure. Maximum width is 12' 6".

48.5.1.3 Increase the maximum length for these boats to 26'8"; the existing APBA Grand Prix engine rules will apply. Boats qualifying under this length rule must have been completed prior to January 2010.

48.5.2 All Grand Prix boats must have a reinforced type 4 or F16 style cockpit built to APBA/CBF specifications.

48.5.3 Gear boxes are allowed but multiple speed gear boxes are not permitted.

48.5.4 Hardware requirements: see **rule 3.8**.

48.5.5 Cavitation plates and drive shafts shall not be adjustable while boat is underway; however, wings may be. Propulsion must be by one underwater propeller. Outdrives are not allowed.

48.5.6 All Grand Prix boats shall be equipped with functional on-board pressurized fire suppression system charged with a minimum of 5 pounds of Dupont FE-36 or equivalent, with distribution nozzles in the engine compartment. The system shall be inspected as specified by SFI spec. 17.1.

48.5.7 Two-way radio communications are mandatory. Frequency checks shall be reviewed at the driver's meeting to determine conflicting or overlapping channels.

48.5.8 A strobe light is mandatory. A fine will be imposed if a competing hull does not have one.

48.6 Engine

48.6.1 Engines shall be automotive or marine using cast iron blocks, 4 cycle, 2 valves per cylinder, internal combustion type. Aftermarket blocks are allowed. Maximum displacement is not to exceed 468 cubic inches. No titanium engine components with the exception of valve spring retainers and keepers. Any valve spring retainer and keeper may be used. No overhead camshafts. Any type ignition system is allowed. All engines must be equipped with an electric switch, or fuel shutoff valve.

48.6.2 Fuel: Methanol or gasoline. No nitro methane, nitrous oxide or other power producing additives are allowed.

48.6.3 ENGINE OPTION ONE:

48.6.3.1 Unless noted otherwise, all technical dimensions are to be measured with plus or minus .010" tolerance.

48.6.3.2 No intercoolers allowed with injected methanol. Intercoolers allowed with carbureted on gasoline ONLY.

48.6.3.3 Static compression: 9.0:1 maximum.

48.6.3.4 Block: Any manufacturer, cast iron.

48.6.3.5 Connecting rods: Any type or manufacturer.

48.6.3.6 Pistons: Any type or manufacturer.

48.6.3.7 Rings: Any type or manufacturer.

48.6.3.8 Supercharger: Must be a 6-71 standard roots type design, 60 degree helix rotors only. No front discharge superchargers. Superchargers are to be driven at no more than 120% of crankshaft speed. Inspect blower pulley drive ratio for the first 2 places in each final heat. No magnesium or titanium cases or rotors allowed. Case and rotors must be a maximum of 15.00 inches in length. Cast or billet rotors are allowed, 5.860 inch maximum rotor diameter. No "Hi-Helix" rotors are allowed.

48.6.3.9 Fuel System: Fuel may be metered by carburetors or a mechanical fuel injection system. Fuel injection systems must be injected by hat nozzles using a cast aluminum injector throttle body available from a major manufacturer. No electronic fuel injection systems are permitted.

48.6.3.10 Heads: Symmetrical port cylinder heads are NOT permitted. Allowed: Common wall type aluminum or cast iron including Chevrolet, Dart common wall types, Brodix 1, 2, 3, 4 and other non-symmetrical port cylinder heads. Not Allowed: Pontiac Pro Stock, Dart Big Chief, Olds DRCE, Dart Olds, and Brodix EPD.

48.6.3.11 Valve Springs: Any type and any manufacturer may be used.

48.6.3.12 Valves: Any manufacturer may be used. No titanium, carbon wound, or ceramic material.

48.6.3.13 Camshaft: Any camshaft may be used.

48.6.3.14 Rocker Arms: Any rocker or roller rocker may be used.

48.6.3.15 Push Rods: Any push rod may be used.

48.6.3.16 Cam Drive: Any timing chain or gear drive may be used.

48.6.3.17 Intake Manifold: Any manufacturer cast aluminum may be used. No handmade fabricated manifold. Two piece manifolds which consist of a cast base and an adaptor plate may be used as long as the adaptor plate is less than one inch thick. The adaptor plate may be constructed of cast or extruded aluminum.

48.6.3.18 Oil Pan: Any oil pan may be used.

48.6.3.19 Dry sump: Any dry sump may be used.

48.6.4 ENGINE OPTION TWO: (HRL Grand Prix Class Engine)

Any boat competing with this option shall also be a legal HRL GP. All HRL hull technical rules will apply including but not limited to dimensions and weight.

48.6.4.1 Bore and Stroke: Maximum Bore 4.310", Maximum Stroke 4.010".

48.6.4.2 Static Compression: 9.5:1 maximum.

48.6.4.3 Unless noted otherwise, all technical dimensions are to be measured with plus or minus .005" tolerance.

48.6.4.4 Block: Any manufacturer, short deck 9.800" or tall deck 10.200". The block may be decked (.010" Maximum) (a minimum

of 9.790" for a short deck and 10.190" for a tall deck). Cylinder and lifter bores may be sleeved to meet stock specification if damaged.

- 48.6.4.5 Connecting rods:** Steel rod of any type or manufacturer, length 6.135" for a 9.800 deck block and 6.535" for a 10.200 deck block.
- 48.6.4.6 Pistons:** Any type manufacturer. No more than 20 cc piston dome. Top of piston (flat surface) at TDC must have a minimum distance of .060" to the flat surface of the cylinder head.
- 48.6.4.7 Rings:** Any piston ring - thickness is 1/16 - 3/16".
- 48.6.4.8 Supercharger:** Must be an 8-71 standard roots type design, 60 degree helix rotors only. No front discharge superchargers. Superchargers are to be driven at no more than 120% of crankshaft speed. Inspect blower pulley drive ratio for the first 2 places in each final heat. No magnesium cases or rotors. Case and rotors must be a maximum of 16.00 inches in length. Cast or billet rotors are allowed, 5.860 inch maximum rotor diameter. No "Hi-Helix" rotors are allowed. Only one (1) gasket is permitted between the base of the supercharger and the intake manifold. No spacer plates, intercoolers, aftercoolers or chillers, etc. allowed.
- 48.6.4.9 Fuel System:** Fuel and air must be metered by a mechanical fuel injection system. No electronic fuel injection systems permitted. All fuel must be injected by hat nozzles using a cast aluminum injector available from a major manufacturer.
- 48.6.4.10 Heads:** Must be purchased through the Valleyfield Regatta Committee: Michel Poirier 450-371-6144 ext 223. Dart 355 pro only. CNC production purchased from Regates de Valleyfield. Heads will be bare and have the Regates de Valleyfield logo stamped on them. The stamp MUST be visible at all times. The letters MRV 2007 will be the official stamp of the GP class. Repairs to the head are permitted but they have to be certified and have the new spec sheet from the manufacturer.
- 48.6.4.11 Valve springs:** Any type and any manufacturer may be used. No titanium, carbon wound, or ceramic material.
- 48.6.4.12 Valves:** Any manufacturer may be used. No titanium, carbon wound, or ceramic material. Head diameter: Intake 2.300", Exhaust 1.880". Stem diameter: Intake/Exhaust 0.343".
- 48.6.4.13 Camshaft:** Maximum valve lift of 0.680" to be measured at valve retainer.
- 48.6.4.14 Lifters:** No hydraulic lifters.
- 48.6.4.15 Rocker Arms:** Any rocker or roller rocker may be used.
- 48.6.4.16 Push Rods:** Any push rod may be used.
- 48.6.4.17 Cam Drive:** Any timing chain or gear drive may be used.
- 48.6.4.18 Intake Manifold:** Any manufacturer cast aluminum may be used. No handmade fabricated manifold. Two piece manifolds which consist of a cast base and an adaptor plate may be used as long as the adaptor plate is less than one inch thick. The adaptor plate may be constructed of cast or extruded aluminum.
- 48.6.4.19 Oil Pan:** Any oil pan may be used.
- 48.6.4.20 Dry sump:** Any dry sump may be used.

9.3 Alternate Engine:

9.3.1 Any competitor wishing to use an engine at an event that is not specifically allowed by Inboard Rule 48.6 above shall submit all technical specifications, fuel type, ignition type, etc. to the Director of Competition and the Competition Committee at least 30 days prior to the event start date.

9.3.2 Alternate engines not specifically allowed by these rules but approved by the Competition Committee may be subject to restrictions including, but not limited to maximum RPM, inlet restrictor plate dimensions, blower drive ratio, nozzle/jet size.