

## 2022 GENERAL RULES

### 1. ALL RACERS MUST BE AHDRA MEMBERS.

2. All race motorcycles must be **American Twin** or 45°-90° V-Twin built of similar design (at judge's discretion).
3. There will be a set entry fee to be paid before each event for all classes.
4. Free tech fee and gate entry will be provided for all current year #Plate Holders.
5. You must carry AHDRA number plate(s) and number assigned to you for each class. TWO PLATES are needed for all motor- cycles. This is necessary for us to identify racers and maintain the points system. These number plates will be available at "Tech Inspection" at each event.
6. Rider may compete in different classes. Sportsman and ET riders may run the same motorcycle in multiple Sportsman classes. Pro classes require different motorcycle entered in each class.
7. Payout will be at the track! If you do not pick it up, you must designate someone to pick it up for you! All money(s) that are not picked up will be put toward the banquet fund.
8. E.T. and MPH record claims must be presented to and vali- dated by an AHDRA official by end of the event for points considerations.
9. All mandatory rule violators will be subject to a fine and/or suspension.
10. All structural threaded fasteners must be grade 5 or better.
11. All competitors must have a valid AHDRA competition license (See "LICENSE REQUIREMENTS" section).
12. A single motorcycle, ridden by a single competitor, must be used throughout qualifying and eliminations in each class.
13. All crewmembers going to the starting line must be at least 16 years old and display a valid membership card and re- stricted area pass.
14. A crewmember or rider must remain with the motorcycle at all times in the staging lanes.
15. ET Class riders are responsible for insuring that their dial-in is correct before staging.
16. Operating a foot shifter by hand is prohibited.
17. The speed limit in pit area is 10 mph.
18. The rider or a crewmember from each entry must attend riders meeting.
19. Handlebar and riser combined height is limited to 12 inches maximum.
20. Pro and Sportsman Classes will be paired according to quali- fied positions on ladder charts.

21. If a racer is in question on anything, he must tell an official before he heats the tire.
22. Competing motorcycles may have up to six (6) people plus the rider in the staging lanes. Only four (4) people may go beyond the water box with motorcycle and rider.
23. Do not fire the motorcycle until you have official approval and/or do not heat the tire until you have approval.
24. All motorcycles competing in classes required to provide fuel samples must be equipped with a valve in the fuel supply line for sampling purposes.
25. Pro category motorcycles will be allowed one (1) hour between runs to perform maintenance and report to the starting line.
26. Nitrous oxide bottles must be securely mounted within the perimeter of the frame and protected in the case of an accident. Nitrous bottles may not be heated with an open flame.
27. All tow vehicles and starter/pit carts must display the AHDRA class and motorcycle number with which they are associated.
28. Operating a motorized vehicle on track grounds requires possession of a valid state issued drivers license.
29. To be eligible for any and all posted awards, points and records, all competitors must display the mandatory official AHDRA logo, class sponsor logo and series sponsor logo on both sides of the entered motorcycle.
30. An entry may not be withdrawn from a class after qualifying begins. There is an exception concerning this rule for a disrupted event (see "POINTS" section).
31. A competitor has the right to make an additional qualifying attempt in the event of the competitor in the adjacent racing lane crossing the centerline abreast of or in front of the other competitor during his/her qualifying attempt. A rerun, if allowed, must be completed during the event qualifying session. The run will not be allowed if the competitor does not report to the starting line in the allotted time.
32. Any competitor striking a reflector block that requires replacement will be charged \$50.00 per block after (2<sup>nd</sup>) second offence.
33. Any competitor who experiences breakage that results in oil or other fluids being deposited on the racing surface will be charged \$5.00 per minute for the actual cleanup time after (2<sup>nd</sup>) second offence.
34. Failure and/or refusal to provide motorcycle, rider and safety equipment for any inspection requested by an AHDRA official will result in the rider's disqualification and forfeiture of any points, awards and purse for the event
35. All participants must wear full coverage footwear at all times when on the active racing surface.
36. All liquid cooled motorcycles must use water and/or Propylene Glycol coolant only.
37. All riders running 7.50 or quicker are required to have a valid [medical/physical certificate](#) on file with AHDRA. AHDRA physicals are valid for two (2) full racing seasons and expire on December 31st.

38. In the event that both motorcycles of a laddered pair break and neither can continue to the finish line under their own power or the inertia stored in the motorcycle mass, the winner will be determined by the quickest reaction time. In the event both riders having identical reaction times, the rider that had lane choice for that pass will be the winner.

39. An AHDR competitor shall not participate in any testing or competition on the same motorcycle as will be entered in an AHDR event at the same track for a period of five days before AHDR qualifying begins **unless, the testing/competition session is OPEN and all interested competitors are able to participate**. Competitors in violation of this rule will be disqualified from competing in the AHDR event. In the event that AHDR conducts a Friday qualifying session, a variance would be allowed to competitors that had run at the track on the prior Sunday or equivalent.

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## PROCEDURES

### ALTERNATES

Alternates are allowed in Pro categories only. Once qualifying has concluded and a ladder has been established, pairings will not be changed. In the event that a qualified entry cannot make the first round of eliminations, an alternate may be inserted into the original qualifier's position on the ladder. Alternates will not be inserted once eliminations begin for their class. All qualifying and 1st round points and the cash awards associated with qualifying and 1st round will be awarded to the original qualifier.

If an event is disrupted and rescheduled prior to the start of eliminations for that class, it is necessary that the qualified motorcycle and rider be in attendance at the rescheduled event to be eligible for points and awards based on eliminator competition. If an alternate is inserted into the rescheduled event for a non-returning qualifier, the alternate will receive full round points and awards. Points and awards based solely on qualifying will remain with the original qualifier.

### BREAK-OUT FOR E.T. AND INDEX

The breakout rules are enforced at national and divisional events as follows. Contestants who race below the posted index or category standard during eliminations are disqualified with the following exceptions.

1. When an opponent fouls and/or crosses a boundary line
2. On a single run
3. When both riders run under their Dial-Ins, the rider that is the least under is the winner
4. If two contestants run under by the same margin (with elapsed times extended to a thousandth of a second), the rider crossing the finish line first is the winner.

### BURNOUTS

At national events, Top Fuel, Pro Fuel, Pro Dragster, Pro Stock, Pro Gas and Pro Modified are permitted one (1) burnout across the starting line under power. Length and time duration must be reasonable and in line with the opponent's procedures. Sportsman and E.T. may not cross the starting line under power during a burnout. Stationary burnout limit is five seconds. No one nor anything may touch the rider or motorcycle during the burnout.

## CONTINGENCY AWARDS

Winner and Runner-up contingency must be verified after final round of eliminations at the racetrack. To be eligible for contingency awards you must bring your bike to the Tech Trailer and the following criteria must be adhered to:

1. Decals must be placed on both sides of the race bike, unless the individual sponsor approves another location.
2. All decals and products must be on the race bike prior to the first round of eliminations. IF ANYONE IS CAUGHT OR ADMITS TO APPLYING DECALS AFTER THE FIRST ROUND OF ELIMINATIONS, ALL THEIR CONTINGENCY AWARDS WILL BE FORFEITED FOR THAT EVENT. IF you are switching to the ET class on Sunday (Elimination day), you must get the decals and put them on your bike on Saturday (Qualifying day).
3. Decals may not be altered or overlaid without permission of the sponsor.
4. Any or all sponsors may require proof of purchase; keep your serial numbers and receipts.
5. Mandatory decals- AHDRA, Series Sponsor Decal and Class Sponsor decal. Mandatory means that no points or awards will be given without these decals on your race bike.

It is the responsibility of the rider to purchase the products from the manufacturers and ask for decals at that time. The AHDRA will try to have some available, but the AHDRA is not responsible to obtain and have in stock all decals for posted products.

## DISQUALIFICATIONS

A run will be disqualified for crossing the centerline or boundary lines as specifically described below. At tracks without outside boundary lines the wall will be considered the boundary.

The centerline is considered continuous from the starting line, to the finish line, to a point designated and clearly marked by AHDRA officials based on safety and track conditions. In determining centerline and lane boundary crossing violations, it is considered a disqualification when any portion of a tire completely crosses the painted line surface. In situations where multiple boundary lines are utilized, the line directly adjacent to the competitors racing lane will be used for reference. Intentional crossing of boundary lines (in a safe and controlled manner) to leave track or avoid depositing debris on track is not grounds for disqualification.

After illuminating the staged light, a run will be disqualified if the rider and/or the motorcycle come into contact with any object other than the track surface at or before the finish line.

Boundary line, centerline and object violations will remain in effect for single and bye runs **and will result in a loss of points for that round (20 points) but will advance to the next round.**

A run will be disqualified for leaving the starting line before the timing system is activated except on bye runs.

In the event that both riders of a ladder pair commit disqualifying violations, the following ranking of violations will prevail to determine the winner.

- Centerline or object violation at or before the finish line
- Contact with the wall or crossing the outside boundary line at or before the finish line
- Leaving the starting line before the tree is activated
- Red-light foul
- Violations will be decided on a first or worst basis

In the event that both riders commit the same disqualifying violation in the final round, the first rider to commit the violation would be eliminated. In the rare case that AHDRA officials cannot determine a winner, both riders will be awarded runner-up championship points and purse.

Competitors officially determined, as a result of protest or fuel analysis, to be in violation of any rule during qualifying will have all previous qualifying runs disqualified. Infractions determined during or after eliminations will result in the competitor being disqualified from the event and no championship points or purse will be awarded, and the competitor's total races considered for points will be reduced by one (1) on each occasion. Items found to be in violation are subject to impound as described in the "IMPOUNDED ITEMS" section of this rulebook.

Any rider and/or pit crewmember obstructing or infringing on an Official's efforts to administer instructions and or directives will result in the disqualification of the rider and forfeiture of any and all points, awards and purse for the event.

Any rider and/or pit crewmember found to be under the influence of alcoholic beverages or drugs, regardless of amount, will be disqualified and ejected from the event. Such a condition is cause for suspension, fine and/or revocation of competition privileges.

## **DISRUPTED EVENT**

In the case of an AHDRA event being disrupted by weather or other reasons to the extent that it cannot be completed within the scheduled time, the following procedures shall apply.

1. If the disruption occurs before at least one (1) complete round of qualifying for all classes has been completed, the event will be canceled. Five (5) championship points will be awarded to eligible competitors (see POINTS section).
2. If the event is disrupted after at least one (1) round of qualifying for all classes has been completed, but eliminations have not proceeded through one (1) complete round for all classes, the event will be terminated. Entry, qualifying and first round championship points will be awarded to all eligible competitors. All officially entered and qualified competitors will also be paid the equivalent of the first round purse as posted for their class at the event. ET Class competitors will receive free ET Class entry at one (1) AHDRA event. The number one (1) qualifier will also be awarded the posted qualifying awards. No entry fees will be refunded.
3. If at least one (1) complete round of eliminations for all classes has been completed, the event will be considered complete, and a portion of the purse for the event will be awarded. The amount of the purse will be determined by the degree of completion of eliminations. All qualified competitors will be paid and championship points will be awarded based on each competitor's position at the time of the disruption.
4. No gate/ticket fees will be refunded in any case.

## **FUELS**

### **Nitromethane (nitrocarbol) CH<sub>3</sub>NO<sub>2</sub>:**

Nitromethane is allowed only in Top Fuel, Pro Fuel and Pro Drag. It must be utilized in its pure form as supplied by the approved fuel suppliers. Nitromethane may be mixed with Methanol in various percentages to yield characteristics desired by competitors. No other additives are allowed.

### **Methanol (methyl alcohol) CH<sub>3</sub>OH:**

Nitromethane is allowed only in Top Fuel, Pro Fuel and Pro Drag. It must be utilized in its pure form as supplied by the approved fuel suppliers. Nitromethane may be mixed with Methanol in various percentages to yield characteristics desired by competitors. No other additives are allowed.

**Ethanol (ethyl alcohol) C<sub>2</sub>H<sub>5</sub>OH:**

Ethanol is allowed in its pure or blended form in classes designated as alcohol being an allowed fuel. It is produced chemically from ethylene or biologically from the fermentation of various sugars from carbohydrates found in agricultural crops and cellulose residues from crops or wood. Known as ethyl alcohol, "alcohol", "grain-spirit", or "neutral spirit", etc. A clear, colorless, flammable oxygenated hydrocarbon. It has a boiling point of 78.5°C in the anhydrous state.

**Gasoline:**

Gasoline is defined for purposes of this rulebook as a mixture of hydrocarbons only. Non-hydrocarbons that do not increase the specific energy of the gasoline are allowed to the extent that they do not exceed 0.15% by volume and are blended in the gasoline by the refiner or fuel manufacturer. AHDRA has mandated the use of specific gasoline for use in some classes. Reference the class rules section for guidelines concerning the use of specific gasoline. No Propylene Oxide may be added to gasoline.

**Testing/Certification:**

AHDRA practices several methods to assure competitor compliance with fuel regulations. Specified fuels must meet color and odor comparisons to certified samples. Dielectric tests are also utilized. Gasoline is a good electrical insulator or dielectric, and its relative effectiveness as an insulator is represented by its dielectric constant. A gas chromatograph is used on a random basis and for final decisions when other tests are not conclusive. These tests yield very accurate graphs that are compared to base line tests of certified samples to determine compliance.

**IMPOUNDED ITEMS**

Participants in AHDRA events grant to AHDRA and its assigns the right to impound and/or take possession of items, parts and assemblies found to be in violation of AHDRA rules or procedures as set forth in this rulebook or revisions thereof. In the case of an accident AHDRA may impound the entire motorcycle and support equipment as it sees fit to aid in ascertaining the cause or results of the accident.

**LADDERS**

Category pairings are based on established AHDRA ladder chains. Professional category ladders are based on qualifying elapsed times. (It must be a full pass with a elapsed time, only breaking the beam does not qualify as a pass) Sportsman category ladders are established on a "closest to the index" basis for each class. All competitors must be officially entered and must have completed a valid qualifying pass to be placed on the ladder. Professional classes with thirteen (13) or more qualified entries will run on a sixteen (16)-motorcycle ladder. 12 or less entries will run an 8-bike ladder. Fields totaling less than eight (8) qualifiers will be laddered for one (1) or no bye runs in the first round as generated by the timing system computer. Fourteen (14) qualified entries will compete on a fourteen (14)-motorcycle ladder. Fifteen (15) or sixteen (16) qualified entries will compete on a sixteen (16)-motorcycle ladder. All professional classes will be limited to a sixteen (16)-motorcycle field. All sportsman classes will be limited to a 32-motorcycle field. In ET class all entries will compete. ET class will be laddered by best reaction time after initial random pairings have reduced the number of competitors to sixteen (16).

**LANE CHOICE**

In the Professional categories, lane choice is determined by elapsed times. The rider with the better qualifying E.T gets first-round lane choice, and in subsequent rounds, lane choice goes to the rider with the lowest E.T. in the previous round. In all other categories, competing riders are to determine lane choice by reaction time.

**LICENSE REQUIREMENTS**

Forms to request a license are available from Tech or AHDRA office.

#### Top Fuel/Pro Fuel/Pro Drag/Pro Stock/Pro Gas

1. Motorcycle must pass technical inspection.
2. Rider and team must demonstrate start-up and shutdown skills and on-track capabilities as follows:
  - Step one: Must complete a controlled burn out and 60-foot launch of the motorcycle.
  - Step two: Must complete a controlled burn out, launch, and half-track pass with shut-off at half-track.
  - Step three: Must complete a controlled burn out, launch, and full track pass to the satisfaction of the AHDRA Technical Officials, and be within one and one half (1-1/2) seconds of the number one (1) qualifier of the applicable class at the event.
3. Technical Director and two licensed riders from same or higher class must approve riding ability and endorse the license application.

#### Pro Modified/Street Pro

1. Motorcycle must pass technical inspection.
2. Rider must demonstrate skills and capabilities as follows.
  - Step one: Must complete a controlled burn out and launch of the motorcycle.
  - Step two: Must complete a controlled burn out, launch, and half-track pass with shut-off at half-track.
  - Step three: Must complete a controlled burn out, launch, and full track pass to the satisfaction of the AHDRA Technical Officials, and be within one and one half (1-1/2) seconds of the number one (1) qualifier of the applicable class at the event.
3. Technical Director is only approval needed.

#### Sportsman Classes

1. Motorcycle must pass technical inspection.
2. Rider must demonstrate skills and capabilities to safely operate the motorcycle entered in competition
3. Technical Director is only approval needed.

## **NATIONAL RECORD PROCEDURES**

The standard of excellence of performance in drag racing is the AHDRA National Record. These records are established under controlled conditions at authorized record events throughout the season at AHDRA National Records Events.

Each record run is made under close observation of starting procedures, running, finish and timing. Each motorcycle is thoroughly inspected to determine its compliance with class requirements, including weight, engine displacement, mechanical limitations and fuel checks where necessary. In a sport where records play such a vital role, every effort is made to maintain their accuracy and validity. In order to ensure the validity of all new records, a backup performance of within one percent of the new mark is required at the same event. In the event that two runs exceed the existing record, but are not within one percent of each other, the quicker time or faster speed will be acceptable as the backup for the slower time, which will stand as the new record.

Professional elapsed time records will be recorded and listed to the thousandth of a second. Speed records will be to the hundredth of a mile-per-hour. If two contestants tie for the elapsed time record to the thousandth of a second at the same event, the tiebreaker will be the fastest mile-per-hour reading for the run that established the record. If the record is tied at a later race, the record will stay with the rider who

set it first. Similarly, if two contestants tie for the speed mark, the tiebreaker will be the quickest elapsed time on the run that established the new national record.

A contestant cannot set records with one motorcycle, and then compete in eliminations with another motorcycle. Only the rider holding the record at the conclusion of the event will be credited with the record. A rider setting and then losing a record at the same event will not receive credit for establishing a record. Records can only be established during qualifying runs and eliminations runs, unless it is specified differently.

Racers, it is your responsibility to report your record to AHDRA officials along with E.T. slip to confirm the runs.

All record runs must report to scales for weight and fuel checks, before returning to pit, for record validation.

## **NUMBER ASSIGNMENT**

All AHDRA racers will be assigned a number to be used on their number plates. The numbers one through ten will be reserved for AHDRA National Points Standing.

## **PARTICIPANT CONDUCT**

Participants at AHDRA events are required to conduct themselves in a professional and non-disruptive manner. Any participant who, in the sole judgment of AHDRA officials, verbally or physically threatens another participant, engages in unsportsmanlike like conduct or conduct detrimental to the sport, creates a situation that is unsafe or is out of order will be asked to leave or be removed from the event.

## **PLACEMENT OF BASTARD MOTORCYCLES**

AHDRA classes are set up to run the most popular and modern race motorcycles (Street or Pro). Therefore, competitors who have motorcycles that do not fit into our existing classes, but will pass our safety standards, can be placed into a given class where the Tech Director feels they should be competitive.

Any rule is subject to race directors interpretation and can be changed at any time.