



Trinidad & Tobago GridKhana Regulations

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SECTION A: Classification:

The main classification factors will be a combination of: a) Engine size, b) Power to Weight Ratio (PTW) and c) drive-train type.

Engine size provides the lowest possible class. Power to Weight ratio beyond Class Limit will result cause a class bump.

Extreme modifications will be classed using observed/proven Dyno sheet and as-inspected by Race Committee.

Weight scales will be in use.

Forced Induction piston engines shall use a factor of 1.45 X Actual Engine Displacement to determine factored equivalent engine size.

Water and water-meth injection are allowed. Cars using Nitrous will be bumped in class as determined by Race Committee.

Definitions & Guidance:

Power to Weight Ratio: Vehicle weight (without driver) / Brake Horsepower (LB/BHP)

Brake Horsepower (BHP): In stock form, shall be as published by OEM /Manufacturer's rating.

Conversion of Wheel HorsePower WHP (as per Dyno sheet) to BHP:

For 2WD, BHP = WHP x 1.15

For 4WD, BHP = WHP x 1.2

Final overall Brake HorsePower BHP for Front-engine Rear Wheel 2WD will be OEM or Dyno BHP X 0.95%. See example of PTW calculation for GP3 front-engine rear wheel 2WD car in Appendix 1

Class PTW ratios are derived from OEM (Manufacturer's) published weight and Brake horsepower. For modified cars, competitor's PTW ratio shall be as declared by the Competitor.

Should any competitor's horsepower or PTW declaration be contested, it is the Competitor's responsibility to validate same. Should the Competitor fail to do so, the Technical Committee shall class the car as deemed appropriate.

Use 1.45 X factor for Forced Induction engines (FI).

GT 1: Maximum 1600cc, 140 BHP and under. 2WD only. PTW not less than 16.70

GT 1B: Maximum 1600cc, 141 to 190 BHP. 2WD only. PTW not less than 12.50

GT 2: 1601cc to 2000cc, 191 to 230 BHP. 2WD only. PTW not less than 10.65

GT 3: 2001cc to 3000cc. 231 to 280 BHP. 2WD only. PTW not less than 9.50

GT 4: 2001cc to 3800cc. 281 to 400 BHP. 2WD and 4WD. PTW not less than 7.50

GT 5: Greater than 401 BHP or PTW < 7.50, any engine size or drive-train configuration.

General:

Provisions will be made for non- production vehicles to participate in a “Specials category” where possible. Competitor shall apply in writing to the Race Committee at least seven (7) days prior to the event.

Electric and Hybrid Vehicles shall be classed on their manufacturer’s published performance ratings. The Technical Committee shall review same and vehicle shall be class accordingly.

It is recommended that first time competitors with Electric and Hybrid vehicles notify the Technical Committee at least a week in advance of an event to allow accurate research and classification.

If any vehicle classification is in doubt, check with the Technical Committee.

Minimum Weights

Vehicle Allowable Minimum weight shall not be less than 85% of the manufacturer’s published weight. If less than the minimum, Driver has the options of either adding weight to meet Minimum or be bumped up in Class.

SECTION B : Drive-train, Tires & Rim Limitations**Performance Modifications Guidelines**

1. Suspension and engine modifications are limited as specified per Class rules.
2. All brake and rim sizes are limited as follows:
 - GT 1 & 1B: 8” maximum,
 - GT 2: 9” maximum,
 - GT 3: 10” maximum
 - GT 4: 10.5” maximum,
 - GT 5: Unrestricted
3. All bodywork modifications and wings are free.
4. Allowable drive-train modifications are gear-sets and final ratios. However, OEM drive-train type (eg. H-pattern box) must be maintained except in GT 5 (where dog-box/sequential box allowed).
5. Dual clutch / paddle shift allowed only if delivered as per OEM.
6. Allowable Tire Tread Wear (UTQG TW rating) for each Class:
 - GT 1 & 1B: No Lower than 180TW
 - GT 2: No Lower than 100TW
 - GT 3 & GT 4: No Lower than 40TW
 - GT 5: Unrestricted

SECTION C: Safety**Safety Regulations:**

1. Vehicle Bodywork – No loose panels, rusted parts or heavily cracked windshields whereby Scrutineering deems vision-restricted. General body work must be in good condition.

Interior – Factory seats are allowed but must be in good condition, have good side bolstering and properly bolted down. OEM / Factory 3-point seat belts are allowed and must be in good working condition. No loose objects.

2. A fire extinguisher of ABC rating, 2.0 KG min. capacity is strongly recommended. Extinguisher should be within easy reach of the driver and easily accessible during an emergency.
3. Suspension – Must be in good working condition.
4. Brakes – No cracked rotors, brake fluid condition must be good and topped up. No leaks, brakes must be in good working condition.
5. Steering Rack – Good Condition.
6. Rims – Must be in good condition.
7. Lug Nuts/ wheel studs – Lug nuts must be steel, no aluminum lug nuts allowed. No missing or damaged wheel studs.
8. All fluids must be properly contained as per manufacturer.
9. Battery – Must be properly clamped and the positive terminal must be insulated from metal contact.
10. Driver Attire – A Fire Resistant long sleeve jacket/top or better (eg., oilfield compliant Nomex, FlashGuard, rated NFPA 2112) is recommended. Long pants and closed-toe shoes are mandatory. When used, Nomex racing suits shall be minimum SFI 3.2A/1 rated. Racing gloves and shoes are recommended but not mandatory.
11. Drivers Helmet – Must be Snell 2010 (SA 2010) or newer. Driver's name and blood type clearly indicated on the Helmet is recommended.
12. "Head and Neck Restraint" device (HANS) of SFI 38.1 / FIA 8858-2002 / FIA 8858-2010 certification is recommended.

SECTION D: BIKES

Moto 2 - 125cc to 400cc motor, tyres, suspension and modifications free

Moto1- 401cc and greater motor. Tyres, suspension and modifications free

All riders must have approved riding safety gear, helmet, jacket, gloves, riding boots, knee pads.

SECTION E: Driver Conduct

Driver Conduct and Competition Penalties:

1. Drivers are expected to conduct themselves in a sportsmanlike manner on and off the track. Unsportsmanlike behavior may lead to disqualification as determined by a Race Committee.
2. Drivers shall follow instructions from Marshalls.
3. Drivers shall be knowledgeable of the Flag Convention.
4. Consumption of alcohol is prohibited during Competition. Any driver in violation shall be disqualified and all race results will be nullified.

SECTION F: Competition & GridKhana Championship

Competition

1. Christmas Tree-style Starting Lights with false-start will be used.
2. Caution Flags at cross-over to be used if necessary.
3. Finish/Chequered flag will be shown for winning car and confirmed by Observation Stewards.

GridKhana Championship Rules & Points

1. At least 3 cars are required to constitute a Group. Where there are less than 3 cars per group, that group will merge up with the next faster group.
 2. Championship Points for finishing positions are as follows:

 - 1st Place: 30 points
 - 2nd Place: 25 points
 - 3rd Place: 20 points
 - 4th Place: 15 points
 - 5th Place: 8 points
 - 6th Place: 8 points
 - 7th Place: 8 points
 - 8th Place: 8 points
 3. All GridKhana Events will contribute toward the Championship.
Class Champions will be declared for each Class.
 4. **Points System will be amended when a full timing system is in place.**
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