



Philippine Endurance Challenge
4 Oras ng Pilipinas / 8 Oras ng Pilipinas
SPORTING & TECHNICAL
REGULATIONS
March 29, 2017
(Revised)

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Philippine Endurance Challenge
4 Oras ng Pilipinas / 8 Oras ng Pilipinas
SUPPLEMENTARY REGULATIONS
4th of DECEMBER 2016

PART I : SPORTING REGULATIONS

(The regulations are subject to change, which will be published via Additional Supplementary Regulations – ASR).

1. ORGANISER / PROMOTER

1.1. Organizer/Promoter

Flat Out Race Events, Inc.
Unit C Auto Mercado
Lot 1 & 2 Block 3, Daang Hari Road
Corner Parklane Ave.
Almanza Dos Ext., Las Pinas City 1740
Tel: +639178410041

2. TITLE OF EVENT AND DATE

Title : Philippine Endurance Challenge 4 Oras ng Pilipinas
Date : June 4 and 5, 2017

Title : Philippine Endurance Challenge 8 Oras ng Pilipinas
Date : November 25 and 26, 2017

3. STATUS

3.1. Club Event

4. PERMIT NUMBER

To be advised

5. ELIGIBILITY OF COMPETITORS

- 5.1. Each entry must comprise a minimum of 2 and maximum of 6 drivers. The eligibilities are as follows:
- a. Competitors in possession of a valid National Drivers License issued by the Land Transportation Office of the Philippines (LTO).
 - b. Competitors in possession of a valid competition license issued by the Automobile Association of the Philippines.
 - c. Drivers cannot drive for more than one team or change teams after submissions have been made.
 - d. New or replacement drivers cannot be introduced after Official practice session has commenced.

- e. Teams without a full complement of minimum drivers required will be disqualified.
- 5.2. The organizer reserves the right to reject any entry. There is no appeal against their decision.

6. ELIGIBLE CARS

Cars for the PEC 2017 are as follows:

RP Class:

- Race car class.
- Unlimited modifications permitted
- Maximum fuel cell capacity of 50 liters or OEM fuel Tank
- Roll cage Required

FM-1:

This class is comprised of high output powered vehicles.

- Above 150 HP on Dynamometer
- Suspension is open
- Doors and Windows remain OEM
- Interior may be removed but door panels must remain
- Must be fitted with a 4 point seat belt and fire extinguisher
- Must have complete A/C unit

FM-2:

This class is comprised of low output powered vehicles.

- Below 150 HP on Dynamometer
- Suspension is open
- Doors and Windows remain OEM
- Interior may be removed but door panels must remain
- Must be fitted with a 4 point seat belt and fire extinguisher
- Must have complete A/C unit

Manufacturer's Cup:

This class consists of "Showroom Stock" cars with no modifications except for safety equipment upon approval of the organizer.

Minimum requirements:

- 4 point seat belt recommended
- Driver's seat may be replaced with a Racing seat
- Must possess a fire extinguisher

Minimum of 2 vehicles entered to qualify for "TEAM Points".

*This class also qualifies for FM-1 or FM-2 depending on HP output.

7. VENUE

CLARK INTERNATIONAL SPEEDWAY – Long Track

8. EVENT PROGRAMME (Subject to confirmation)

7:00 - 7:30	Warm Up
7:30 - 8:00	Final Drivers' Briefing
8:00 - 8:30	Grid Positioning
8:30 – 16:30	RACE PROPER 8 ORAS NG PILIPINAS
16:30 -17:00	Awarding

9. ENTRIES

- 9.1. Entries open upon posting of Regulations and close on May 31, 2017 for 4 Oras ng Pilipinas; November 20, 2017 for 8 Oras ng Pilipinas. Acceptance of entry is at the sole discretion of the organizers who have the right to reject entries without giving reasons.
- 9.2. Competitors are responsible for sending correct and complete entries with the correct entry fees prior to the entry closing date.
- 9.3. Incorrect or incomplete entries that have paid the entry fees (including driver to be nominated entries) are to be held in abeyance until they are complete and correct and the date of receipt for acceptance of entry purposes shall be the date on which the Secretary of the Meeting receives the missing or corrected information.
- 9.4. It is a condition of entry that competitors have no right to any claims against the Flat Out Race Series, Promoter, Organizer, Sponsors and any one carrying out their duties.
- 9.5. Please submit entries to: philendurancechallenge@yahoo.com
- 9.6. Maximum number of entries accepted will be at the sole discretion of the organizers. Organizers reserve the right to refuse an entry.
- 9.7. Maximum number of starters is 30. Start positions per class are subject to Article 14 Grid Positions.
- 9.8. Entry Fees:

4 Oras ng Pilipinas	
Early bird Discount (Deadline May 15, 2017)	Php25,000.00
Regular Entry Fee	Php30,000.00
8 Oras ng Pilipinas	
Early bird Discount (Deadline October 25, 2017)	Php35,000.00
Regular Entry Fee	Php40,000.00
Special Package 4 Oras and 8 Oras (Deadline May 15, 2017)	Php55,000.00

- i) Any entry for which the entry fees have not been received until the entry closing date or for which the entry fees have not been paid completely are regarded null and void.
- ii) Payment must be made by cash. Check may be accepted at the discretion of the organizers and made payable to: **Hyper Garage Motorsports Inc.** However, payment made on-site on official registration day (prior to approval from the Organizer) must be in cash.
- iii) Payment can also be made through the following bank account but the receipt must be presented to the Secretariat during registration as proof of payment: email for information.

Bank account:

BPI

Edward Michael C. De La Rosa

SA 8259-0066-28

BDO

Edward Michael C. De La Rosa

SA 7220-0299-90

- iv) Withdrawal of the entry 1 week before the event day. Reimbursement of the total entry fees paid.
- iv) Withdrawal of the event less than one week before the event. Reimbursement of only 50% of the entry fees paid.
- v) Entry fee will not be refunded for participant who is disqualified from the race due to any type of infringement and competition vehicle breakdown.
- vi) All entries are required to submit a dyno sheet of their vehicles as certified by STAGINGLANES together with their registration forms.
- vii) Non-submission of dyno sheet for the entry will be subject to a Php 5,000 bond.

10. AWARDS

The trophies will be given up to 3rd placing of each class.

1st, 2nd, 3rd

10.1. Awards will be given to the top 3 finishers in class (FM1, FM2, RP CUP, Manufacturer's Cup).

10.2. Trophies will be given to the top 3 teams registered in TEAM POINTS

10.3. Vehicles may be held for dyno after qualifying and race proper.

11. SCRUTINEERING

11.1. All cars must comply with Section II – Technical Regulations

11.2. All stickers requirement as stated by the Organizer must be properly placed on the car prior to the scrutineering. (Refer to Appendix I)

11.3. All cars will be issued with “OK” stickers by the Scrutineers once the scrutineering has been successfully completed.

- 11.4. All cars may be impounded immediately after the qualifying session.
- 11.5. Throughout the entire duration of the event, the cars must comply with the Technical Regulations in all points. Vehicle components may be sealed and cars may be impounded by the organizer.
- 11.6. Any car, which, after having passed scrutineering, is damaged, must be re-presented to the Scrutineers after repair and be approved in order to be allowed to continue.
- 11.7. Cars will also be impounded on the start/finish line after the race in case of any protest, which may arise. Protest time is 30 minutes from posting of provisional results. The Organizer reserves the right to strip any car after the race at the cost of the Team.
- 11.8. The Clerk of the Course reserves the right to impose additional weight penalties to be carried on a car in the interest of equalization of performance.
- 11.9. All participating cars will be equipped with a timing transponder provided by the Organizer.

12. DRIVERS' BRIEFING

- 12.1. It is compulsory for all drivers to attend the Drivers' briefing for the event. The Organizer will confirm the exact time and venue of the briefing.
- 12.2. The Clerk of the Course reserves the right to organize a special drivers' briefing in addition to the compulsory briefing.

13. OFFICIALS

Stewards : To be Advised
Clerk of the Course : To Be Advised
Race Director: To Be Advised
Secretary of the Meet : Ms. Celine Vicente

14. METHOD OF START

Cars will be lined up according to their qualifying position on the race track.

- *5 MINUTE BOARD*
Everyone, except driver in the car and mechanics clear Grid. Crew must stop work on cars.
- *3 MINUTE BOARD*
Only 2 mechanics per Car remain on grid.
- *1 MINUTE BOARD*
Everyone must clear grid.
- *30 SECOND BOARD*
Engines must be running. Any driver who cannot start his car engine must put up his arm to warn the starter and the following competitors of the problem. Yellow flag waved by grid marshal behind pit wall.
- *START*: Standard Standing start will be used.

- Cars will perform One (1) parade lap, after which the safety car will exit to the end of the main straight and all the competitors line up in their respective grid slots.
- When all competitors are properly positioned, the red lights on the starting signal will illuminate. The lights will be turned OFF anywhere between 3 to 7 seconds indicating the RACE START.

15. GRID POSITIONS

- 15.1. Up to 30 cars will be allowed to start
- 15.2. The Grid position will be based on Qualifying results.

16. PRACTICE, MAXIMUM DRIVING TIME, CHANGE OF DRIVERS

- 16.1. Only cars having successfully passed scrutineering and displaying the appropriate sticker will be allowed to take part in the Qualifying sessions. All teams must participate in the Qualifying and cover the minimum of 1 timed lap.
- 16.2. All drivers must drive at least one lap during the race.
- 16.3. Any breach of the above rules will merit a minus 2 lap penalty to the total time completed.
- 16.4. Team Managers must report driver changes and time car is in the pits to the pit observer.

17. STOPPING & RESUMING RACE

- 17.1. When red flags are displayed, all drivers must proceed with care to the fast lane in the pits.
- 17.2. Teams are not allowed to go to the cars. They must remain in their pit building. Drivers may go to their pit for refreshment and return to cars. One (1) mechanic may assist driver to buckle up at the 5 minute signal. This mechanic may stay to assist in starting the car and return by the 30 second signal.
- 17.3. Any car needing work must be removed from the column and stop in the working area. No change of driver is allowed during this period.
- 17.4. Work on such cars can only commence after the last car in the column leaves the pit exit.
- 17.5. The safety car will be positioned in front of the column in fast lane.
- 17.6. 5/3/1 minute and 30 seconds board will be displayed on the starter podium (pit side) and pit exit.
- 17.7. The safety car will lead the column for 1 lap (counted) and enter the pits.
- 17.8. Racing will resume in the same manner as safety car procedure.

18. PITLANE SAFETY, PIT STOPS, RE-FUELLING

- 18.1. The outer lane is to be kept unobstructed to allow safe passage of cars at all times. Stopping in this lane is prohibited upon pain of a 1 lap penalty. The

responsibility shall be on all DRIVERS to take all due care. The speed limit is 30km/h (or no faster than a brisk walk, coasting in first gear). Penalty for exceeding this limit will be drive-through. A board will be shown with respective competition number at the start/finish line. If the driver does not pit within 3 laps he merits the black/white flag. The driver will then be given 3 laps to comply with a penalty of Php 1,000 per lap that he/she stays on the track, after which the BLACK flag will be shown to signify disqualification. The team will be excluded from the race and additional PHP 1,000.00 will be fined for each lap the black flag is ignored.

- 18.2. If a drive-through penalty cannot be affected when the race is nearing the end, a 1 LAP penalty will be deducted from the overall laps achieved by the team.
- 18.3. Only the "lollipop man" is allowed to be outside the pits until the car stops. The "lollipop man" can put the car number board to advise driver where to stop while he waits for the car to arrive.
- 18.4. All equipment, including the fuel rig, must be placed inside the pit until the car stops. Only 2 pit crews are allowed to bring the equipment out to work on the car.
- 18.5. During re-fueling, only 2 crews are allowed to be near the car. All others must remain in the pit until the filler cap is fitted to the car. Other works on the car can only be carried out after re-fueling. During the whole period of the pit stop and re-fueling, non-relevant personnel MUST be inside the pit. Failure will merit a drive through.
- 18.6. When a pit stop is made, it is compulsory to stop the engine unless engine adjustments are required. Starter motors must be operational at all times during the race.
- 18.7. The fuel rig accepted by the Organizer MUST be used. The nozzle and hose may not be modified to fit the fuel tank. Care must be taken that fuel does not spill out due to some fuel still being in the tank. Any form of fuel spillage onto the floor will merit a drive thru penalty.
- 18.8. Refueling may ONLY be carried out in the pit lane with pit lane marshals present.
- 18.9. Upon completion of refueling or 120 seconds; whichever comes last, will the team personnel be able to work on the car, whether in the pit lane or inside the paddock for more intensive work. Example: change tires, brakes, etc..
- 18.10. No repairs may be carried out when re-fueling is in progress. The car MUST be on wheels when re-fueling is in progress. Only after the personnel have returned to the pit and the driver completely secure will the car be allowed to start the engine. If the motor does not start, it may be assisted by the 2 personnel up to pit lane exit, not any further. Failure to comply will be penalized by automatic disqualification
- 18.11. Fuel: Fuel will be provided by SMART FULES
 - 18.11.1. Two Variants will be available.
 - 18.11.2. 99+ Octance @ P60/L and 104+ Octance @ P65/L

- 18.12. Changing of engine: Any team that requires change of engine after qualifying will lose their grid position. Change of engine is allowed during the race. Spare/Replacement Engines must be pre-registered and scrutineered before Qualifying and must be same spec as qualifying engine.
- 18.13. Teams may change their tires as and when required. However, only 1 Power tool is allowed at the pit lane during the change.
- 18.14. At least one front, tail and brake lights must be operating at all times during the race or qualifying. Cars with malfunctioning lights will be flagged in to carry out repairs on tail and brake lights before being allowed back on the track. Note: Any kind of flashing light either in front or at the rear of the car is not permitted. This is reserved for official cars only.
- 18.15. Large umbrellas may be used along the signaling wall to protect from rain and sun. They must be securely tied to the railing along the pit signaling area.

19. STRICKEN VEHICLES ON THE TRACK

- 19.1. DUE TO SAFETY CONCERNS, Any vehicle stopped on the track will cause the safety car to be deployed upon notification of the RACE DIRECTOR by the team manager. The vehicle will then be retrieved by the tow truck and brought back to the pits for repairs, servicing or driver change and evaluation by the scrutineer before being allowed to continue the race.
- 19.2. No repairs of any kind may be performed on the track.
- 19.3. Drivers should exit the vehicle when it is safe to do so, while waiting for the tow truck for retrieval. Authorized tow truck personnel will maneuver the towed vehicle to the pits and turn over the vehicle to the team.
- 19.4. Vehicles that have been retrieved twice already will be disqualified if the vehicle stops on the track for a third time.

20. SAFETY CAR

- 20.1. In the event of incidences, one (1) safety car will enter the track from the pit exit. Safety car will display yellow flashing light on the roof. The safety car will be deployed only in the endurance race.
- 20.2. When the Safety Car is on the track, all flag posts will display yellow SC Boards together with yellow flags. Drivers must form up a single file behind the Safety Car.
- 20.3. All drivers must maintain their position. No overtaking is allowed and no green light will be used to allow back markers to unlap themselves. The overall leader will have to maintain position behind any car in front on track and proceed to race after crossing the start/finish line. Anyone found to have overtaken any competitor in front will receive a drive through penalty, only after the safety car has been withdrawn from the track. If the driver does not pit within 3 laps, the black flag will be shown for exclusion of the team from the race.

- 20.4. Drivers may pit during Safety Car procedure via first-come, first-served basis (7 cars at one time) and re-enter the track under green pit exit light/flag only after notification of the available pit lane marshal. All pit-in laps will be counted in the overall results.
- 20.5. When the track is cleared, the safety car will turn off the flashing lights and return to the pit.
- 20.6. When the safety car returns to the pit, racing and overtaking will resume after crossing the start/finish line. The lead car to maintain the pace up to this point. Anyone overtaking before the line will incur a drive-through penalty.

21. FINISH OF THE RACE & PARC FERME

- 21.1. To be declared as a finisher, all registered team drivers must have driven and the team must take the checkered flag under the car's own power. The result order will be based on the number of laps completed by the respective teams as follows:

Highest number of laps - 1st
2nd highest number of laps - 2nd
3rd highest number of laps - 3rd
and so forth

- 21.2. In the event that 2 or more teams complete the same number of laps, their order will be in accordance with overall time taken to achieve this.
- 21.3. The Parc Ferme at the end of the race will be on the main straight. All participants must follow the special instructions to bring their cars to the Parc Ferme where they will remain until the Clerk of the Course orders their release. Team members are not allowed to be anywhere near the car placed at Parc Ferme without permission of the Clerk of the Course.

22. ORGANIZER'S RIGHTS

- 22.1. The organizers may abandon, cancel or postpone the competition due to not receiving more than 10 entries or unforeseen circumstances.
- 22.2. Cancel any class, which has less than 3 cars or amalgamate them to the next higher class at the discretion of the organizers.
- 22.3. Distribute the awards based on intermediate results at their discretion if through bona fide unforeseen circumstances, the competition is stopped before its completion.
- 22.4. Exclude any vehicle whose appearance, condition or performance is not of a standard appropriate for the competition.
- 22.5. Refuse an entry without giving any reason.
- 22.6. The Clerk of the Course of this meeting has the right to stop the race or any driver immediately due to any unavoidable circumstances or as the case may be.

22.7. The Organizer reserves the right for competition numbers 1, 2 and 3.

23. PROMOTER'S RIGHTS

23.1. All participants are prohibited from using caterers not registered with the Promoter.

24. ADVERTISING

24.1. Competitors are obliged to carry the main sponsor and co-sponsor stickers at designated spaces on the car (advertisement location diagram is as per appendix

i. The decision of the organizers is final. Stickers must be in position before a car can be scrutineered.

24.2. Any other advertising carried by a competitor must be declared to the organizers for approval. The organizers' decision on this matter is final.

24.3. The competition number supplied by the organizers cannot be mutilated. Any branding on them cannot be cut off.

24.4. All forms of advertising prior to or after the race by competitors or their sponsors must obtain the approval of the organizers for correctness before publicity under pain of an advertisement of at least the same size and frequency in accordance with the Flat Out Race Events, Inc.; Approval for such advertising shall only be released at the earliest 24 hours after time of submission. The organizers shall not be held responsible for any delay in the approval of any advertisement.

24.5. Advertisements on the results shall comply with (24.4) above and carry the title of the event at a prominent place of the advertisement. The size of the title shall not be less than 1/10 of the size of the advertisement.

24.6. REJECTION FEE for not carrying sponsors decals is as follows:

MAIN SPONSOR: PHP30,000.00

CO-SPONSOR: PHP20,000.00 per co-sponsor

The competition numbers and their background must be intact and not mutilated in any way.

25. PITWALL/PITLANE/PITS/PADDOCK AREAS AND PARKING AREAS

25.1. Pit allocation will be made by the organizer. Decisions are final and the pit allocation will be published, once the final entries have been confirmed. Competitors have to right to be allocated a specific pit. Each pit will be shared by several teams/cars if the situation warrants it.

25.2. There is no claim on a special pit wall, paddock areas and parking areas. Access and allocation of areas will be made upon instruction of the officials and their instructions must be strictly respected.

25.3. After qualifying the Organizer may relocate some teams in accordance with their respective grid order. The Organizer's decision on this matter is final.

- 25.4. It is the responsibility of each competitor/team manager to ensure that team members are fully conversant with all pit rules. Any contravention by any team member may entail the exclusion of the team from the race. To avoid allegations of misconduct, team members are encouraged not to stray into other team's pits unless invited or with specific permission to do so.
- 25.5. No car may be driven in reverse in the pit lane. Immediate exclusion will result from such action. Mechanics are allowed to push their cars backwards to their designated pit.
- 25.6. Smoking and drinking of beer or alcoholic drinks are strictly prohibited in all areas between the pit and the pit wall. A penalty of PHP 5,000.00 will be imposed on anyone caught breaking these rules. Persons caught will be ejected from these areas.
- 25.7. Each team will be entitled to sixteen (17) passes comprising of up to one (1) Team Manager, six (6) drivers, four (4) mechanics and six (6) pit wall crews. These passes must be worn in a prominent manner at all times. Only those wearing pit wall passes will have access to the pit wall.
- 25.8. Compressed air can be used in the pits.
- 25.9. In keeping with the status of this event, teams are encouraged to be properly attired at all times. As this event is covered by video, crews must be properly attired outside the pit. Minimum acceptable: Long sleeve cotton shirt, Jeans, Closed Toe Shoes. Shorts are not allowed. For safety reasons, singlet, slippers and sandals are not allowed to be worn by pit crew.
- 25.10. Persons under 16 years of age are not permitted in the pit lane and pit wall. Children under the age of 12 are not allowed in the pits, pit lane or pit wall but allowed in the Team Common Room until the race has ended. An exception is made for glassed hospitality area in pits. However, the children are to be supervised by an adult at all times. Animals (of any kind) are not permitted in the circuit.
- 25.11. No spare car or any other form of vehicle may be parked in the pits. Any such vehicle found in the pit of any team will be reported to the Stewards of the Meet for penalty up to exclusion. Illegally parked vehicles will be towed away at the owner's costs and an additional penalty of PHP 5,000.00 will be imposed on the owner.
- 25.12. Pit to driver radio communication is permitted for all classes. Each team must submit the list of radio frequencies before the event failing which they will not be allowed to utilize their radio communication.
- 25.13. The use of motorcar, skateboards or similar means of transportation by any parties at paddock area are strictly prohibited. The organizer has the right to confiscate such vehicles until the end of the event. Only non-motorized vehicles are allowed at the paddock area.

26. PENALTIES

The following penalties will be applicable during the practice, qualifying and race. Other infringements not stated below, will fall under the jurisdiction of the Stewards of the Meeting.

- 26.1. Jump Start: Drive through
- 26.2. Bumping car in front: Drive through
- 26.3. Causing other car to retire: Drive Through / Exclusion
- 26.4. Crew outside pit/paddock: warning / drive through
- 26.5. Not carrying out drive-through in 3 Laps: Exclusion
- 26.6. Not observing black/white and Black flag: Exclusion + PHP 1,000.00 per lap
- 26.7. Personnel In front of yellow line when refueling: Drive through
- 26.8. Provoking a fight: Exclusion from race + Ban of Team and team members from PEC
- 26.9. Retaliating in a fight: Exclusion from race + Ban of Team and Team Members from PEC
- 26.10. Smoking & drinking alcohol in Pit Area: Php 5,000 and Ejection from pit area
- 26.11. Illegal parking at Paddock area: PHP 5,000.00
- 26.12. Other offences: At Stewards discretion
- 26.13. Taking short cut: Drive through

27. PROTESTS

- 27.1. Protests, if any, must be lodged in accordance with the stipulations of Sporting Code. Under strict respect of the protest time of 30 minutes, all protest must be lodged in writing and handed to the Clerk of the Course or if not possible, to the Stewards of the Meeting, set fee of PHP 15,000.00
- 27.2. Protests against decisions of the timekeepers, judges of fact as well as collective protests are not admitted.

28. INTERPRETATION OF REGULATIONS

- 28.1. Only the Clerk of the Course can give binding information about the event, or in his absence, his deputy.
- 28.2. In the case of any dispute, the interpretation of this Sporting & Technical regulation, the Additional Supplementary Regulations is up to the Clerk of the Course.
- 28.3. The Organizer reserves the right to modify or supplement the present regulations if considered necessary for reasons of safety, force majeure or by order of the authorities or to cancel the event in case that extraordinary circumstance should arise, without any obligations for indemnification. Furthermore, the organizer holds liability only in that case where exclusion from liability is not mentioned in the regulations or entry form.

29. GENERAL CODE OF DRIVING CONDUCT

1. The endurance race is a huge event and requires a fair conduct by everyone involved and in particular by the drivers during the practice sessions and during the race. Drivers of faster cars are asked to show consideration and fairness towards the slower cars and vice versa.
2. Any driver obstructing or endangering other participants during practice or race due to their driving style or apparently not being up to the requirements of the race may be refused the start or excluded from the race.
3. Should a driver be obliged to stop his car on the circuit, the driver must try his best to remove his car from the track with the utmost caution as quickly as possible.
4. Contact between vehicles is never allowed. Adequate racing room must be given at all times and in all situations. Avoidable contact caused by careless driving and disregard for fellow competitors will result in a black flag with delay that will be assessed to the irresponsible party. Squeezing drivers off the track and blocking will not be tolerated. Poor track behavior will be recorded by race officials and can result in the driver being banned from the series.
5. As a common practice; Observe proper race etiquette and decorum!
 - 5.1. Dangerous driving or driving under the influence of alcohol or drugs is strictly prohibited.
 - 5.2. Participants must always conduct themselves, on and off the track, in a manner that does not bring disrepute to the Organizers, Sponsors, Race Officials and the AAP.
 - 5.3. Participants, friends and family of participants must not disrespect directly or indirectly or through social media the Series, organizers, race officials, AAP and Sponsors. Penalties may be given to those who do not comply and may subsequently be banned from participants in the series.

PART II : TECHNICAL REGULATIONS

(The regulations are subject to change, which will be published via Additional Supplementary Regulations – ASR.)

a. **GENERAL SPECIFICATION**

Cars for the Phils. Endurance Challenge 2017 are as follows:

Manufacturer's Cup/ Media Cup

This class consists of "Showroom Stock" cars with no modifications except for safety equipment upon approval of the organizer.

Minimum requirements:

- 4 point seat belt recommended
- Driver's seat may be replaced with a Racing seat
- Must possess a fire extinguisher
- Race net (drivers side) is MANDATORY
- Front windshield if replaced has to be LAMINATED (OEM or AGUILA GLASS)

FM-1

This class is comprised of high output powered vehicles.

- Above 150 HP on Dynamometer
- Suspension is open
- Doors and Windows remain OEM
- Interior may be removed but door panels must remain
- Must be fitted with a 4 point seat belt and fire extinguisher
- Must have complete A/C unit
- Race net (drivers side) is MANDATORY
- Front windshield if replaced has to be LAMINATED (OEM or AGUILA GLASS)

FM-2

This class is comprised of low output powered vehicles.

- Below 150 HP on Dynamometer
- Suspension is open
- Doors and Windows remain OEM
- Interior may be removed but door panels must remain
- Must be fitted with a 4 point seat belt and fire extinguisher
- Must have complete A/C unit
- Race net (drivers side) is MANDATORY
- Front windshield if replaced has to be LAMINATED (OEM or AGUILA GLASS)

RP Cup

Race car class.

- - Unlimited modifications permitted
- - Maximum fuel cell capacity of 50 liters or OEM fuel tank.
- Roll cage required
- Race net (drivers side) is MANDATORY
- Front windshield if replaced has to be LAMINATED (OEM or AGUILA GLASS)

Minimum of 2 vehicles entered to qualify for "TEAM Points".

*This class also qualifies for FM-1 or FM-2 depending on HP output.

NOTE:

- i. Cars in FM-2 may enter FM-1.
- ii. Cars in Manufacturers Cup may join FM-1 or FM-2 depending on HP output.
- iii. Teams may register their cars for up to two (2) classes only. Except for FM2 and Manufacturers cup entries who will be allowed to register for more than 2 higher classes. The second classification entry will be charged 50% of the registration fee.

A. TECHNICAL SPECIFICATIONS

1. Eligible Cars are those cars of which at least 2,500 identical units must have been produced in 12 consecutive months and which have been available for sale. Eligible cars must be mass-produced, Series Production Saloon cars, having at least 4 seats.
2. Hybrid cars are allowed. Hybrid cars are defined by vehicle having two power sources to power the vehicle. The electric motors and the control system on this vehicle are free; however, the other mechanical parts of the car are subject to this regulation.
3. Flexible fuel / alternative fuel vehicles are NOT allowed to participate. Fuels to be used are SMARTFUELS 99+ Octane or 104+ Octane which will be provided with a fee. Additional fuel will be available on-site in case of additional fuel needed.

It should be clearly understood that if the following texts do not clearly specify that you can do it, you should work on the principle that you cannot. READ IT, do not rely on memory. The clauses in the regulation are to be read as follows:

"shall, must and will" indicate a compulsory requirement.

"Should" indicates a recommendation.

"May" indicates an option.

All parts of the car shall be identical to those used in the production model except where otherwise permitted by these regulations.

STANDARD: The word 'standard' used within these technical regulations as a description of components is to be interpreted as 'The specified component from the manufacturers parts list for the model / engine shown on the entry form or registration form. No modifications permitted beyond the repair or adjustment processes specified by the manufacturer. Checking will be by comparison to spare parts supplied by the manufacturers official agent'.

Production: refers to original specification parts and components intended for a certain market and/or country. To avoid dispute, the competitors must clearly states in the vehicle specification sheet, the actual market and/or country for which the vehicle was intended.

Where clearly permitted in these regulations a part may be:

- (a) Re-worked, provided that the part remains identifiable as to its origin. The extent of the rework will only be as allowed by these regulations. Complete substitution is forbidden, or
- (b) Removed, or
- (c) Added, or
- (d) Substituted, by another of similar function but different performance characteristics. The limitations on the specification of the substituted part will be stated.

Where a part is defined as "free" or "open" then it may be reworked, removed, added or substituted. Rework of adjoining parts is only permitted where specifically allowed by these regulations.

It is permitted to repair a part, however the method of repair shall be such that the physical characteristics related to its function shall be the same as a new standard part. Lightening of a component is allowed provided the component is non structural and it is done in a neat and safe manner (e.g. no rough finishing etc). The scrutineers will have the right to ask a competitor to replace part(s) and/or component(s) that are deemed dangerous. Threaded fasteners are free, provided the material type is not changed.

B. SPECIFIC MODIFICATIONS

1. ENGINE

1. Modifications are free except for Manufacturers Cup

2. Drive train

1. Modifications are free except for Manufacturers Cup

3. BODYWORK

1. EXTERIOR

- (i) All doors and windows must retain factory OEM, except RP class.

2. INTERIOR

- (i) Must retain factory OEM, except RP class.
- (ii) Passenger seats and carpet may be removed. Door sidings must remain intact., except RP class.

4. WIPERS

1. The windscreen wiper system is free in location and method of operation, providing that it is fully operational at all times and capable of satisfactorily clearing the area of the screen ahead of the driver. Any rear screen wiper and mechanism may be removed.

5. SPOILERS AND AESTHETIC ACCESSORIES

1. AERODYNAMIC DEVICES

- i) Only those aerodynamic devices which are permanently mounted on the bodywork are permitted. The organizer will be the sole arbiter in any dispute concerning the eligibility of aerodynamic devices.
- ii) Front Spoiler may be fitted but may not extend forward from the bodywork and may not extend past the overall width of the bodywork. (Except for RP Class)
- iii) Rear Spoiler: It is permitted to fit a rear spoiler provided that it follows the following (Except for RP Class):
 - a) For a three box car, the spoiler must be mounted on the boot. The position of the spoiler must not be more than 50% the height of the rear screen.
 - b) For a two box car, the spoiler must be mounted on the rear hatch. The position of the spoiler must not protrude above the highest point of the car when viewed from the side.
 - c) The spoilers must not protrude outside the perimeter of the bodywork.
 - d) The spoiler must be completely contained within the front projection of the car without its rear-view mirrors.

6. ORIGINAL EQUIPMENT BODY ACCESSORIES

1. It is permitted to fit side sill extension and rear bumper extension. Other body accessories other than OEM (third party aftermarket accessories) has to be approved by scrutineers.

7. ELECTRONICS

- 7.1. The electrical wiring harness assembly of car must be based on the production unit. Unused wires and relays maybe removed.
- 7.2. Fuses and/or circuit breakers may be added to the electrical circuit. The fuse box may be moved or removed.
- 7.3. All lights must be fitted as supplied by the Manufacturer for that make and model and must be fully operative at all times.
- 7.4. All rear lights including a rear fog lights must remain functional.
- 7.5. Only one vehicle battery maybe fitted, make and type is free. It must be a sealed unit and may be mounted inside the vehicle. It must be possible at all times to start the engine with the energy of the battery transported on board the vehicle. Should the battery be position inside the driving compartment, it must be covered with liquid proof protective cover that fully enclosed the battery.
- 7.6. Alternators are free but must remain fully operational.

8. WHEELS & TYRES

- 8.1. Any tire spec may be used as long as it is GT RADIAL.
- 8.2. In all other respects the wheels are free provided that they are made of cast aluminum and in a single unit. Metal inserts are allowed for the passage of the drive to the wheel.
- 8.3. Wheel bolts maybe changed to a stud type however the numbers of the fixation point must be identical to the original.
- 8.4. The size for the tires is open. The official tire appointed by the Organizer MUST be used by all competitors during the event. For 2016, the official tire provider is GT Radial

9. FUEL TANK & PUMP

- 9.1. Only the originally equipped fuel tank is allowed. Should an FIA tank be used; the original tank must be removed. The maximum capacity of the FIA tank is 50 liters and automatically qualifies you for RP Cup.
- 9.2. Fuel pump(s), fuel filter(s) and fuel lines are free. Aviation quality steel braided hose or equivalent is highly recommended.
- 9.3. An additional anti-surge tank may be complemented to the fuel system. The volume of this tank must not be more than 5 liters.

- 9.4. The fuel tank, pump, filters, anti surge tank and lines must be fully shielded from the driving compartment. These may be in the form of a liquid-proof bulkhead or by a liquid-proof case.
- 9.5. Gas tank whether OEM or aftermarket should be strapped securely to prevent accidents.

C) SAFETY REQUIREMENTS

1. GENERAL

- a. RACING SUIT: Nomex Fire Proof Racing Suit or 100% Cotton Mechanics Suit is required for all drivers. Strictly NO polyester suits or karting suits.
- b. Race net (Drivers side) is MANDATORY for ALL CLASSES
- c. Front windshield is replaced has to be LAMINATED (OEM or AGUILA GLASS)

2. ADDITIONAL FASTENERS

(Two additional safety fasteners may be fitted for each of the bonnet and boot lids.)

- a. Towing device:

All cars will be equipped with a rear and front towing device for the events. It will be clearly visible, marked and painted in yellow, red or orange.

3. DRIVER'S SEAT

The original driver's seat may be replaced by an FIA-homologated competition bucket seat (8855/1999 standard) with five (5) passages for the safety harness straps. The original seat mountings may be removed. This is not considered as a structural part. The use of the competition seat mountings homologated with the bucket seat is recommended.

4. SAFETY HARNESS

A safety harness equipped with a turn buckle release system and having a minimum of four (4) anchorage points, homologated by the FIA in accordance with Article 253.6 of Appendix J, is recommended.

5. ROLLOVER STRUCTURES

A roll cage is highly recommended.

6. EXTINGUISHERS – EXTINGUISHING SYSTEMS

Permitted fire extinguishers and minimum quantity:

DCF (C F3 Br) 4.9 kgs

NAF 83 3.2 kgs

NAF P 3.2 kgs

AFF 2.4 kgs

Powder 2.0 kgs

7. HEAD AND NECK SUPPORT (HANS)

- a. Head and Neck Supports (HANS) safety device is recommended for all categories.

8. HELMET

- a. Helmet must be DOT approved. Snell, SA2011-SA2016 recommended.