

Perth Radio Electric Car Club Inc.

Section 8 - PRECC Enduro On Carpet

8.1 Overview

- 8.1.1 The Enduro On Carpet is a competitive and fun event where teams of 3 drivers compete in a one and a half hour team event.
- 8.1.2 This event poses many different challenges to the typical 6 minute RC race; each drivers must concentrate for up to 30 minutes of racing; teams must co-ordinate their driver changes; and pit stops for battery changes must be carried out efficiently.
- 8.1.3 The race is divided into three legs of 30 minutes running consecutively (no break between each leg, see Driver Change Over at 8.6). The motor for each leg is controlled (see Vehicle/Motor Classes at 8.2).
- 8.1.4 The team which can complete the most number of laps in the one and a half hour race are declared the winners.

8.2 Vehicle/Motor Classes

- 8.2.1 Any Four Wheel Drive touring chassis or Mini as per PRECC rules section 4.3 to 4.7.
- 8.2.2 The permitted motors for each leg of the enduro are detailed below. These requirements are the maximum motors permitted in each leg, a motor of lesser performance may be used in a leg at individual teams discretion. e.g. 540 motor in Stock leg or a Stock motor in Modified leg is allowed.
- 8.2.3 Leg 1 – “Sportsman” – Any brushed 27 turn sealed silver can 540 or Tamiya Sports Tuned motor or Brushless 21.5 turn motor as per AARCMCC approved motor list. [PRECC Rules Section 4.3]
- 8.2.3 Leg 2 – “Stock” – Any approved rebuildable, brushed, 27 turn, 24 degree fixed timing or Brushless 13.5 turn motor as per AARCMCC approved motors list. [PRECC Rules Section 4.4]
- 8.2.4 Leg 3 – “Modified” – Any brushed or brushless motor as per AARCMCC Electric Section 4. [PRECC Rules Section 4.6]
- 8.2.5 Mini’s (PRECC Rules section 4.7) are considered equal in performance to a Sportsman and as such may be used in any leg.

8.3 Batteries and Battery Changes

- 8.3.1 Batteries for this event are as per PRECC Rules Section 3.4
- 8.3.2 Strict adherence to Li-Po Use and Charging (PRECC 3.4.2) requirement will be enforced.
 - 8.3.2.1 LiPo Users Please Note: Any vehicle found during scrutineering to not have a cut-off device installed or if the installed cut-off device is not operating, the vehicle will be disqualified.
- 8.3.3 The minimum number of battery changes for each leg is as follows;
 - 8.3.3.1 Leg 1 “Sportsman” – 1 compulsory battery change.
 - 8.3.3.2 Leg 2 “Stock” – 1 compulsory battery change.

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- 8.3.3.3 Leg 3 “Modified” – 2 compulsory battery changes. (Regardless of selected chassis/motor of vehicle in Leg 3)
- 8.3.4 A team member must alert the Race Director/Battery Changeover Referee that their team is about to carry out their compulsory battery change to ensure all compulsory battery changes are recorded.
- 8.3.5 Teams may re-use the current battery when completing a compulsory battery change. In this situation the battery must be fully removed and unplugged from the car and placed on the table before picking up and re-installing the battery.
- 8.3.6 There is no maximum limit to the number of battery changes allowed.

8.4 Team Make Up

- 8.4.1 Each team consists of up to a maximum of 4 people, 3 drivers and an optional manager.
- 8.4.2 Each driver nominates to drive one of the above listed legs.
- 8.4.3 Each team may nominate a Team Manager. The team manager may carry out any duties required for the team (battery changes, repairs, marshal duties, etc) except driving.
- 8.4.4 Each team will nominate one member of their team to be Team Captain.

8.5 Start and Finish

- 8.5.1 The starting grid/order shall be by random calling by “Alycat”.
- 8.5.2 The start will be “staggered”.
- 8.5.3 All vehicles will be released to start within 10 seconds.
- 8.5.4 At the end of Leg 3 “Modified” please ensure your vehicle continues to circulate until “Alycat” calls “Finished” to your vehicle.

8.6 Driver/Vehicle Changeover

- 8.6.1 When the 30 minute buzzer/siren sounds, it is the decision of the Team’s Captain when to pit the current racing vehicle and release the next vehicle.
- 8.6.2 A previous Leg vehicle may continue to circulate after the 30 minute buzzer/siren for as long as it’s battery remains solvent, but must retire when the battery dumps.
- 8.6.3 To affect the changeover, the retiring vehicle must be completely removed from Pit Lane before placing the replacement vehicle into Pit Lane.
- 8.6.4 Both the Retiring and New Driver are allowed on the Rostrum at the same time to effect a smooth changeover.

8.7 Marshalling

- 8.7.1 Race control will group two or three Teams together to share marshalling duties.

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8.7.2 These teams must ensure that a Marshall is present on the track at all times. Penalty = 2 laps deduction for each team.

8.8 Pit Lane

8.8.1 Only 2 Team Members are permitted in Pit Lane at any one time.

8.8.2 Only battery changing to be performed on the Pit Lane Tables, other repairs must be carried out on Driver's/Team's tables.

8.8.3 Pit Lane speeds must be observed – Walking pace only. Penalty = 1 lap deduction.

8.8.4 A car may only cross the loop once per entry/exit through Pit Lane. Penalty = 2 laps deduction.

8.9 Breakdowns

8.9.1 Should a vehicle stop on the track due to Li-Po cut-off, normal battery failure or any other problem, the vehicle must be removed by the marshal and placed on its roof behind the track. A team member may then collect the vehicle and return it to the battery change area to replace the battery or to the Driver's Team's table for other repairs.

8.9.2 A broken down vehicle may be repaired, but may NOT be replaced by another Team vehicle until the end of the 30 minute segment.

8.9.3 A repaired vehicle re-entering the race shall be placed in pit lane regardless of where the vehicle stopped on the track.

8.9.4 The driver of the broken down vehicle may leave the Rostrum to assist in the repairs of the vehicle.

8.10 Scrutineering

8.10.1 At the end of each segment, the retiring vehicle must be taken directly to the Scrutineers table for scrutineering. Failure to submit a car scrutineering will result in disqualification for that particular leg.

8.10.2 Refer to PRECC Section 3 Vehicle Rules.

8.10.3 A breach of the following rules will result in that vehicle being disqualified and all laps from that leg will be lost;

8.10.3.1 Weight restrictions.

8.10.3.2 Ride Height.

8.10.3.3 Motor restrictions.

8.10.3.4 Battery restrictions.

8.10.4 Scrutineers are available prior to the event. Any driver unsure if their vehicle meets requirements should check with the scrutineers prior to the commencement of the event.

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8.11 Driver Courtesy

- 8.11.1 There may be a number of relatively inexperienced drivers in the various legs. The inexperienced drivers are required to make way for the faster/lapping drivers and in turn the experienced drivers are asked to be patient and wait for a passing opportunity so as to avoid accidents.
- 8.11.2 Driver communication on the Rostrum is strongly recommended.
- 8.11.3 Drive thru penalties may be issued by the Race Director for any indiscretions during the race.
- 8.11.4 Any driver issued a Drive Thru Penalty must immediately drive thru pit lane at a “Slow Walking Pace”.