



## WEST COAST MODEL RC 1/8 GTE RULES

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### 1. General

- 1.1 The class run will be the Electric 1/8 GT On road.
- 1.2 The official measurements in these Technical Specifications are metric measurements.
- 1.3 All measurements referred to in these rules are maximum or minimum values.
- 1.4 It is the object of these rules to ensure that racing be a test of driver skill.
- 1.5 It is the responsibility of the driver to ensure that their car complies with the rules and regulations at all times it is on the track. The organiser may check any car at any time during the championship for compliance with the regulations. On checking immediately after a race, if a car is found to be under the minimum weight or has incorrect dimensions, positive proof of race damage may prevent disqualification.

### 2. Motor

- 2.1. Any motor up to a maximum rating of 2500kv.

### 3. Battery

- 3.1. LI-POLY (LITHIUM POLYMER) BATTERIES to a maximum of 4S, capacity open.
- 3.2. Batteries must be factory sealed in a hard case.
- 3.3. No soft cased batteries allowed, for primary battery source.

### 4. Body

- 4.1. Bodies are to be any commercially available 1/8th scale GT1, GT2, Super GT, DTM, or V8. Supercar cars. Prototype (LM) P1, (LM) P2 and open cockpit bodies are not allowed.  
**Wedge shape bodies not allowed.** For the definition of a wedge a body will be considered a wedge and therefore illegal if it includes an integrated wing which is equal to or greater than height than the roof line of the car. Body shells with a small kick up at the rear are legal for the purpose of the class (for example Serpent McLaren body)
- 4.2. The entire chassis, wheels and engine must be covered by the body when mounted to the car as viewed from above.
- 4.3. The body must be made from a flexible material and painted. Where used, the gurney strip must remain transparent.
- 4.4. Bodies must include full front and rear fascia's, and conform to the rules herein that limit openings in the body for antenna holes.
- 4.5. Bodies must be reasonably detailed. The body must have visible window, body panel and trim markings. Light tinting of the windows is permitted.

- 4.6. Cut-outs in the body that were not in the original full scale version will be allowed for the following:
  - 4.6.1. Bodies are not to be cut above the lower bumper line at the front or the back, or above the bottom line of the doors. Maximum 70mm cutout at rear on 20mm blocks.
  - 4.6.2. The aerial hole will be no larger than 10.0mm in diameter
  - 4.6.3. All bodies must have the front and rear sides cut out for the wheels, the radius of the cutout must not exceed the tyre by more than 20mm.
- 4.7. Gurney strips may only be used on bodies with an integrated spoiler.
- 4.8. Maximum width of body and wing/spoiler is 330 mm.
- 4.9. Wing and spoiler, must have a chord of no more than 79 mm.
- 4.10. Additional cut-outs in rear built-in spoilers are not allowed.
- 4.11. No additional items may be fastened to the body exterior other than the rear gurney strip, or rear wing/spoiler.
- 4.12. If body stiffeners are used they cannot cause the body to be wider than 330mm across the lower edges of the body. Body or wheel flares extenders are not allowed.

## 5. Chassis

- 5.1. Any shaft driven 1/8 scale buggy, truggy and GT based electric powered vehicle.
- 5.2. All cars must have operating brake(s) capable of stopping the car.
- 5.3. The front of the car must be equipped with a bumper in such a manner that it will minimise a wound in the case of it entering into contact with participants or members of the public.  
The bumper must be made from a flexible material with all corners and sharp edges rounded off. The contour of the bumper will follow the contour of the body with which it is being used. At no point may the bumper protrude in front of the body.
- 5.4. The aerial support must be flexible. Carbon, GRP, steel, etc. are not allowed.
- 5.5. Hop up and optional chassis are permitted however vehicles must fall within weight limits specified Chassis may either be flat or have a front kick up.
- 5.6. The minimum weight is **3500g**. The weight will be checked with battery/batteries, body and a transponder installed.
- 5.7. Overall dimensions:
  - Length Maximum; 509mm
  - Width Maximum; 330mm
  - Height: 220mm (20mm blocks)
  - Wheelbase Maximum; 270 – 380mm
- 5.8. The car must roll freely between the inspection measuring rails with any steerable wheel set in the straight ahead position, irrespective of the compression or extension of the suspension

## 6. Transmission and Drivetrain

- 6.1. A shaft-drive system with front and rear differentials is required. Belt driven cars are not permitted.
- 6.2. Single speed transmission only and must include a solidly mounted spur gear to a standard bevel gear centre differential or a solid spool (no one-way bearing). No other differential types will be permitted.
- 6.3. One-ways, spools, locking "Torsion-type," or externally adjustable differentials are not permitted. Differentials can only be tuned with the use of silicone-based oils.
- 6.4. Front and Rear differential gear ratios must be identical. Front or rear underdrive or overdrive is not permitted.

## 7. Wheels and Tyres

- 7.1. Any commercially available rubber tyre and insert GT8 or 1/8 Scale onroad designed wheel and tyre is allowed. Full slick or tread pattern allowed.
- 7.2. Tyres must be black, except for writing on sidewalls.
- 7.3. Wheels must use a 17mm hex hub consistent with the dimensions and function of the hubs used in 1/8 offroad racing. The wheel must be affixed by a 17mm wheel nut, threaded on to the hex hub. Quick change mechanisms are not permitted.
- 7.4. Tyre Warmers and Traction Compounds are permitted.

## 8. Technical Exclusions

- 8.1. It is not allowed to use any electronic devices with the exception of:
  - 8.1.1. Two radio channels of the receiver which will be used to operate steering, throttle and brakes
  - 8.1.2. No more than two servos.
  - 8.1.3. A transponder.
  - 8.1.4. Fans which must be powered from the main battery packs
- 8.2. The use of traction control devices, active suspension devices and any steering control aided by gyroscopes/"G'-force sensors is strictly forbidden.  
Exemption may be granted for drivers with physical disabilities.  
This includes Spektrum and Traxxas Receivers with Stability Control unless those functions are specifically disabled.
- 8.3. Not allowed:
  - 8.3.1. Liquid cooled engines.
  - 8.3.2. Hydraulic braking systems.
  - 8.3.3. More than single speed transmissions.
  - 8.3.4. Quick change wheel systems are not allowed.
  - 8.3.5. Body extenders or wheel flares .
  - 8.3.6. Buggy/Truggy type wings.

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