

# ALLEN'S R/C F-1 RULES

## Indoor Season (Updated 11/22/16)

**\*\*\*Allen's R/C follows basic USVTA rules for our F-1 Class\*\*\*  
Allen's Specific Rules are in GREEN**

### 1. Construction Rules

**1.1** Formula 1 cars from any year that are a realistic representation of an original FIA Formula 1 car may be raced in this class.

**1.2** Cars will be painted and detailed to resemble a Formula 1 car. Drivers may have to show that the paint scheme, layout and detailing have appeared on a fullsize Formula 1 car if requested. Random color schemes with no detailing are discouraged.

**1.3** Chassis based on other classes (GT10 or 12th Scale) are not allowed.

**1.4** All cars must conform to appearance, radio, general, battery and motor rules and comply with the 'spirit' of 1/10th scale Formula 1 cars. All decisions of the track/race director organizing a race concerning appearance and 'spirit' are final.

**1.5** Any commercially available F1 car kit is allowed providing it complies with the dimension rules and has rear axle hex wheel fitment.

**1.6** Wheelbase max 285mm, width max 190mm

**1.7** Minimum weight: 2S **25.5** Class 1050g including timing equipment

**1.8** Maximum wheel width 40mm

**1.9** F1 car wings must be to scale and be commercially available; otherwise they are free i.e. you can mix different kit wings. Turning vanes, third wings, diffusers, etc. are free but must be to scale.

**1.10** Grill and air vents may be cut to the original size and position only.

**1.11** Chassis modifications are allowed, providing the car still meets general requirements.

**1.12** Rear wheel drive only is allowed.

**1.13** Front independent suspension is allowed. Suspension pick up points must be mounted inside the body.

**1.14** All radio, electronics & lap counting equipment (excluding aerial) must be housed inside the bodyshell.

**1.15** No part of the chassis may protrude outside the bodyshell when viewed from above. All horizontal parts of the chassis must be inside the body

**1.16** Tires must be black except for sidewall detail.

**1.17** **Calandra "CRC" side wall tires only Part # 2311, 2312, or 2330 Pre-Mounts**

**1.18** Only hexfitting rear wheels are allowed. Wheels using bolt fittings (such as 12th / GT10 wheels) or narrow wheels designed for Touring Cars are not allowed. Only wheels designed and sold for F1 cars are allowed.

### 2 Definition of a Spec Motor

**2.1** Motors allowed – any **25.5 motor** listed in the ROAR lists as updated from time to time.

- 2.2 Motors must conform to the relevant technical specifications detailed in ROAR Rules.
- 2.3 25.5 ROAR spec motors are the standard for this class.

### **3 Batteries Allowed**

- 3.1 Any 2S pack conforming to the current Electric ROAR battery list.
- 3.2 2S with a maximum nominal voltage of 7.4v