



## MAKERS REGULATIONS

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### Contents

Preamble	1
1. Commercial	2
2. Body	2
3. Chassis	3
4. Manufacturing	3
5. General	3

### **Preamble**

These regulations are applicable to makers of 1/32 scale slot racing cars that wish to manufacture models that will be eligible for homologation for the DiSCA GT3 Euroseries technical formula.

The premise of the formula is for prospective competitors to be able to buy and race a readily available, ready-to-run (RTR) model of a Group GT3 racing car simply by adding lights, digital chip and control parts. Models should be available through regular retailer distribution network, or direct order from the maker's own website.

Cars must be available as complete 1:32 scale RTR racing cars, or as complete assembly kits that contain every part necessary to assemble a fully functional model.

## 1. Commercial

- 1.1. A maker is defined as being registered as a “going concern” business with their respective local authority. The maker must provide one, or more, of the following to DiSCA;
  - 1.1.1. Company number, registered with regional business authority.
  - 1.1.2. VAT registration number, registered with regional taxation authority.
  - 1.1.3. Other such registration of business activity registered with the relevant body.
- 1.2. Product availability must be global, worldwide, unless reasonable exemption for any given region or zone can be fully justified by the maker.
- 1.3. Distribution of product must be through one or more of the following;
  - 1.3.1. Bonafide model car and hobby product distribution network
  - 1.3.2. Bonafide slot car retailer with trading premises
  - 1.3.3. Direct to consumer order through maker’s own website
- 1.4. Sales via eBay, Amazon, facebook, or other similar websites and/or social media channels, without any of the means detailed in 1.3, are not considered to be acceptable distribution networks.

## 2. Body

- 2.1. Body shells must be 1/32 scale,  $\pm 3.0\text{mm}$ , in all dimensions and directions.
- 2.2. Body shells must be made from injection moulded plastic, additive manufacturing, or other accepted ‘hard-body’ construction approved by the organizers. Materials used in body manufacture must be declared to the organisation, and are subject to approval or rejection without comment.
- 2.3. All lenses, glass, spoilers, wings, mirrors and the driver’s cockpit must be accurately modelled and supplied.
- 2.4. The body must be designed to be mounted to the chassis using threaded screws. In other words, a traditional “body post” configuration must be used.
- 2.5. The body must be a 1/32 scale model of a Group GT3 racing car, as per FIA Group GT3 homologation lists.
  - 2.5.1. Simply being an FIA GT3 homologated model does not guarantee acceptance to DiSCA GT3 Euroseries. Models are selectively homologated in accordance with their 1:1 racing history and general fitting in with the series ethos. Any questions regarding model selection should be directed to the organisation.

### 3. Chassis

- 3.1. The GT3 chassis is defined as; “The carrier of the motor pod, axels, and guide flag”
- 3.2. Chassis must be specific to the body style and/or model type.
- 3.3. Chassis materials must be produced using either injection moulded plastic or additive manufacturing methods.
- 3.4. Chassis must be designed to hold one guide flag, one front axel, and one motor pod.
- 3.5. Chassis design must make the provision for;
  - 3.5.1. an anglewinder boxer motor pod with multi-point screw fixing and suspension compatibility, adjustable front axel height via the use of grub screw, and fixing to the body via threaded screw.
    - 3.5.1.1. Motor angle must be no less than 15 degrees, and no greater than 25 degrees, to the rear axel.
  - 3.5.2. the maximum track width to be achieved when any axel is assembled using the wheels and tyres specified in the technical regulations.
- 3.6. The motor mount and/or design of the motor mount may be from another maker, as long as it meets the requirement and is supplied with the car.

### 4. Manufacturing

- 4.1. The method of manufacture for bodies and chassis must be repeatable. In other words, any given body or chassis must be identical to any other with no variations in geometry, weight or appearance otherwise.
  - 4.1.1. Variation within cited manufacturing tolerances is acceptable.
- 4.2. Body parts or chassis parts must not conduct electricity.
  - 4.2.1. Parts made by FDM printers with carbon filaments render the part ineligible for homologation, by default.
  - 4.2.2. Parts made from SLS powders containing carbon particles are subject to evaluation by DiSCA.

### 5. General

- 5.1. The maker must provided one, or both of the following products, supplied in a single carton;
  - 5.1.1. A complete ready-to-run slot racing car, capable of being retro-fitted with the specified control parts, light kit and digital chip detailed in the technical regulations.
  - 5.1.2. A complete assembly kit which contains every part necessary to assemble a slot racing car.
- 5.2. Any component supplied fitted to the ready-to-run slot car, or supplied in an assembly kit must be available for purchase, for no more than the original sale price, through any of the distribution channels listed in 1.3.
  - 5.2.1. If a car or kit is contains parts from other makers, the maker of the kit is not required to act as a retailer for third party components.
- 5.3. Every element of the car must be capable of being built in a configuration which fully complies with the technical regulations, without unspecified modification.
- 5.4. The final decision on any aspect of homologation is the sole privilege of DiSCA.