

## 2024 Technical Regulations for MRF FORMULA 1600

All modifications are forbidden unless expressly authorized by the regulations specific to the group as mentioned below.

### Art.1 – Eligible Vehicles & Classes

MRF FORMULA 1600 only, following the Homologation #423005

Other than the modification permitted in this regulations rest should follow the MRF FORMULA 1600 Homologation #423005

All the parts must be supplied by the manufacturer and used exactly as supplied. The original design and construction of the car must be preserved at all time. Repairs may be carried out only by the manufacturer.

### Art.2 – Dimensions & Minimum Weight

Wheelbase – 2540mm  $\pm 1\%$

Maximum Track width – Front 1515mm Rear 1440mm

Minimum weight of the car 545 Kgs

The minimum weight of the car measured will be as raced with water, oil, fuel and the driver with complete safety gear (Helmet, inners, suit, gloves, shoes, balaclava etc.)

It is permitted to complete the weight of the car by one or more ballast weights provided that they are unitary blocks, fixed rigidly by means of tools to the specific fixing points provided on the car, with at least two fixing points by bolts of at least grade 8.8 with a minimum diameter of 10mm, with the provision for sealing if deemed necessary by the scrutineers.

The ballast should not have any sharp edges.

Ballast must only be made of lead(**no other materials**).

In order to balance performance, the FMSCI reserves the right to change the minimum weights at any point of time as deemed fit.

Any movable ballast system is forbidden.

Failing to meet the required weight regulations will result in disqualification or exclusion of the car for the relevant session.

### Art.3 – Engine

Modification to the Engine is not permitted must be as Homologation #423005.

### Art.4 – Fuel Tank

As supplied by manufacturer, as per Homologation/TDF

### Art.5 – ECU & Wiring Harness

As supplied by manufacturer, as per Homologation/TDF

### Art.6 – Transmission

Gearbox and Gear ratios as per Homologation/TDF data.

Differential and Final drive ratio as per homologation/TDF data.

### Art.7 – Suspension System

As supplied by manufacturer, as per Homologation/TDF

**Art.8 – Wheels(Rims & Tyres)**

Wheel size as per Homologation/TFD data. Tyres as supplied by the Organizer(refer event SR).

**Art.9 – Body Work**

As supplied by manufacturer, as per Homologation/TDF

The front wing flap orientation may be changed, but only from the range of adjustments provided in the original specification.

The rear upper wing angle may be changed, but only from the range of adjustments provided in the original specification.

**Art.10 – Safety Requirements**

As per 2024 FMSCI Racing Regulations Appendix-J Art 253 Safety Equipment (Group N, A) and As per FMSCI 2024 Safety Requirements for 4Wheeler.

**10.1-Driver Safety Equipment**

As per FMSCI 2024 Safety Requirements for 4Wheeler.

**10.2-Seat Belt**

As per FMSCI 2024 Safety Requirements for 4Wheeler.

**10.3-Fire Extinguisher**

System mounted with cable operating as supplied by Manufacturer, minimum of 3kg.

**10.4-Quick-release mechanism**

The steering wheel must be fitted with a quick-release mechanism. Its method of release must be by pulling a concentric flange installed on the steering column behind the wheel.

**10.5-Rear Light**

No less than 80% of the rear light LEDs must be in order to work at the beginning of every official session and during pre-event scrutiny.

**10.6-Master Switch**

The driver, when seated normally with safety belts fastened and steering wheel in place, must be able to cut off all electrical circuits to the ignition, all fuel pumps and the rear lights by means of a circuit breaker switch.

This switch must be located on the dashboard and must be clearly marked by a symbol showing a red spark in a white-edged blue triangle.

There must also be an exterior switch, with a horizontal handle, which is capable of being operated from a distance by a hook. This switch must be situated at the main rollover structure on the righthand side. It must be clearly marked by a symbol showing a red spark in a white-edged, blue equilateral triangle, each side of this triangle must be at least 50mm long.

**10.7-Helmet 50mm clearance**

When seated normally with his seat belts fastened, the driver's helmet must be at least at 50mm below a line drawn between the highest points of the front and rear roll structures.

**10.8-Rear view mirror**

All car must have at least two mirrors mounted so that the driver has visibility to the rear and along both sides of the car.

The reflective surface of each mirror must be at least 150mm wide, this being maintained over a height of at least 50mm.

**Art.11 – Data Acquisition**

No communication of any sort between the driver and the pits or other drivers. Whether by radio, cellphone or by any other communication signals between car and pit once the car is on the track(other than pit boards).

The drivers are not allowed to carry cell phones while on the track during the sessions.

Violation of the above regulations will entail disqualification.

Note: If any ambiguity or missing data from the Homologation / TDF form, the FMSCI may source any component from the OE manufacturers to compare dimensions.

***NOTE: Changes for the 2024 Technical Regulations are highlighted in Yellow***

**\*\*END\*\***