



**The Federation of Motor Sports Clubs of India**

## **2019 FMSCI GENERAL PRESCRIPTIONS**

### **DRAG RACING**

## **SPORTING GUIDELINES**

The races shall be run either on 402 metres (1/4 mile) or 201 metres (1/8 mile). FMSCI may reduce the permitted length subject to track inspection.

Timing equipment shall consist of a Drag Racing “christmas tree” setup with optical sensors to detect the time. Accuracy of timing better than 10 milliseconds (1 millisecond preferred). In the event of failure of the main system, alternate timing system as allowed by the Drag Racing Commission is allowed.

***From 1/1/2019, the timing shall refer only to the elapsed time (ET), and the Reaction Time (RT) shall be considered only in the event of a tie with regard to ET.***

For closed invitation classes, FMSCI shall not be in a position to entertain protests / appeals on technical grounds.

The pre-event scrutiny for all vehicles including closed invitation classes shall be for ensuring safety of the vehicles. Vehicles which are considered unsafe by the scrutineer shall not be permitted to run. The scrutineer is empowered to prevent the running of any vehicle at any time if he observes any safety hazard after the pre-event scrutiny.

Clearance of pre-event scrutiny shall not automatically mean that the vehicle is compliant with the Technical Regulations.

Technical Regulations for 4 wheelers and 2 wheelers are published separately.

Any attempt to impersonate a competitor or unauthorised replacement vehicles after pre-event scrutiny shall result in immediate disqualification of the concerned competitors for all his/her entries in the meet. He / She shall also be reported to the FMSCI for further disciplinary action.

### **PRACTICE RUNS**

- Practice runs are mandatory for each participant. If the participant has entered in more than 2 classes, then he/she will have to do a minimum of two practice sessions in the two fastest vehicles entered in. Organiser to schedule accordingly.
- If the competitor does not do the practice runs as specified above, he/she should report to the stewards who shall exercise their discretion in this regard.

### **COMPETITIVE RUNS**

- A COMPETITOR WHO MAKES A FALSE START DURING A COMPETITIVE RUN SHALL NOT BE ENTITLED FOR A RE-RUN

## **ORGANISING GUIDELINES**

### **DOCUMENTATION / INFORMATION REQUIRED FOR ISSUE OF PERMIT**

- Name and Status of the Event
- 2W / 4W or only 2W or only 4W
- Sporting Regulations and Classes being run
- Risk Analysis document duly filled in and signed by the Organizer and COC
- Safety & Medical Document duly filled in & signed both by the CMO & COC.
- Associate Hospital close by, Distance by Road and Hospital confirmation letter for acceptance of any injured participant if required for treatment.
- Track Layout Drawing, Barricading Drawing, Pits Location drawing, Assembly Area Drawing, Scrutiny Area Drawing, COC and Stewards Area drawing.
- List of permissions applied for and acknowledgement of application from the department.
- 3rd party event Insurance copy.
- List of Officials sheet
- Program Sheet
- Preferred date for track inspection by FMSCI delegate.
- Event timings are 0900 to 1800 which have to be respected .(in daylight only)
- Details of Timing Equipment being used.

**THERE SHALL BE A MINIMUM GAP OF TWO WEEKS BETWEEN ANY DRAG EVENTS OF SAME CATEGORY (2W OR 4W).**

### **VENUE REQUIREMENTS**

#### **TRACK INSPECTION**

- CAD drawing / proper, accurate sketch to be submitted.
- Track inspection can be done minimum 1 week before the event, if the organizer so desires.
- One of the stewards deputed by the FMSCI will be designated as the track inspector. The permit issued is conditional, subject to the approval of the track by the designated steward. The designated steward may inspect 2 days prior to the event, to ensure conformance of arrangements at venue and suggest any corrections to the organiser.
- In the event it is a restricted area, the organisers will send a visual (video/photographs) for inspection.
- Barricading inspection should be carried out by the designated Steward at least 1 Day before the event
- In case track inspection is not possible in advance, then the CAD drawing / proper, accurate sketch must come to FMSCI and will be given to the stewards to ensure that the organiser has carried out all the requirements.
- 1st line permitted barricading – Bamboo / casuarinas/ metal pipes fabricated as barriers must have rounded edges and should not be riveted with any form of metal sheets and the metal barriers may or may not be interlocking. Advertising material made from either flex or sunboard may be glued or securely fastened onto these barriers, ARMCO, concrete blocks, water-filled plastic barrier (minimum 1 metre height), concrete wall, MOJO barriers (minimum 1 metre height)
- 2nd line barricading - same as permitted for 1st line barricading. In addition sheets are permitted provided they are facing the spectator side.
- Cones or haybales must be placed at the end of the braking distance.

- In case the event is run on track where there is an elevation of more than 1 % over the length of the run portion, the event will be allowed to run provided the runoff is uphill.

## **TRACK LAYOUT**

### **MINIMUM SAFETY REQUIREMENTS FOR DRAG RACING ON A GRADE C DRAG STRIP**

- Distance from edge of track to 1st barrier - 10 meters
- Gap between 1st barrier and 2nd barrier - 5 meters.
- Distance of barricading will be 50 meters from start line and then will be closed giving spectators no access to go beyond that.
- The Braking Distance for a 1/8th Mile Drag race should be 400 meters from the Finish Line.
- The Braking distance for a 1/4th Mile Drag Race should be 500 meters from the Finish Line.
- If there is a non movable obstacle at the end of the braking distance, then the braking distance should be increased by 100 meters for a 1/8th mile and by 200 meters for a 1/4<sup>th</sup> mile drag race.
- If Top Fuel and Twin Engine Bikes are used, then the braking distance for a 1/8th mile should be 500 meters and for a 1/4th mile be 600 meters and if there is a non movable obstacle at the end of the braking area, then the additional run off area for a 1/8th mile should be 200 meters for the 1/8th mile as well as the 1/4th mile.
- Width : as per FIA/UEM Specs but waiver can be granted based on FMSCI discretion
- Fastened wooden barricading is the minimum criteria

Please refer to Annexure 1 for Track layout guidelines

## **WIDTH OF THE TRACK**

- As our current race tracks are 11 mts wide. It was decided that the minimum width should be 11 metres. For temporary drag strips the minimum width should be 12 meters.
- Centre line will have double cones (non metallic) upto 5 metres from Start Line.
- Outer edge to be defined by cones.

## **FIRE EXTINGUISHERS – MINIMUM REQUIREMENTS**

- 2 Nos 25 Kg on a pick up truck
- 4 Nos of 6 Kg extinguishers at the start
- 2x2, 6 kgs extinguishers every 100 meters.
- Water mist fire system is a must

## **MEDICAL REQUIREMENTS**

- Minimum requirement is 1 no Advanced Trauma Care ambulance & 1 normal ambulance.
- Confirmation from hospital and COC that the Doctor on duty has experience in Trauma / Emergency care.
- If there is no full-fledged medical center at the site, the nearest hospital should be a maximum of 30 minutes' drive away.
- Safety & Medical Questionnaire to be filled up & signed by both CMO / COC
- Ambulance – B1 mandatory & C1 recommended if hospital is far away

## **FIRST INTERVENTION VEHICLE**

### **DUTIES**

- To reach the site of the accident in the least possible time
- Assess the accident and report back to race control
- Extrication or Fire fighting if required.
- Assess injuries and provide preliminary first aid.
- Facilitate evacuation of the injured to the ambulance. (Only to be done if Doctor decides that it is safe to transport the injured in the FIV. If the Doctor decides otherwise the Ambulance should be moved to the accident site for evacuation of the injured to a hospital)
- If evacuation to a hospital is required then the Doctor on board the FIV should accompany the injured in the Ambulance

### **CREW ON BOARD**

- An experienced driver
- A Doctor skilled in resuscitation
- A helper to assist in Fire fighting and or extrication.

### **MANDATORY EQUIPMENT ON BOARD**

- A Radio transmitter/receiver
- Two 4 Kg fire extinguishers (dry chemical powder type)
- Tow chain/ Thick Nylon rope (20 feet)
- One Crowbar
- One large Hammer
- One Metal cutting shears
- One Cutting pliers
- One Spanner for battery terminal
- Water
- Chisel

## **EVENT REQUIREMENTS**

### **EXPERIENCE OF OFFICIALS**

- Officials such as the Clerk of the Course, Chief Medical Officer, Chief Safety Officer, Competitor Relations Officer, Chief Marshall, Chief Starter, Chief Scrutineer & 1 assistant, Time Keeper to have had sufficient experience and to be approved by the FMSCI Secretariat.
- For National status and above, the Technical Delegate will be appointed by the FMSCI, and for all other status, the Chief Scrutineer will be appointed by the FMSCI.
- For an entry of 100 vehicles & more (2 or 4w) a minimum of 2 scrutineers & 3 assistants will be required to be provided for by the Organisers.

### **NUMBER OF RUNS PERMITTED PER DAY**

- The Maximum number of runs per day will be 175 Runs which includes practice.
- An additional 25 runs per day may be granted by the Stewards if they are satisfied that the program can be completed in daylight.
- The practice run will also be counted as part of the Maximum number of runs per day.

- Thus, if the Maximum runs post the Stewards approval is 200 runs per day, the Organizers need to calculate their cut off for the entries after taking into account that each entrant will also be given a compulsory practice run. If the entries are more than the maximum runs permitted, then either the event has to be for 3 days or the number of entries restricted to the maximum number of runs permitted over 2 days.

#### **PERMISSIONS FROM LOCAL AUTHORITIES**

- Police permission is mandatory for public roads. Owners permission is mandatory for private property. Intimation of event to Police is mandatory in all cases. The onus lies with the organizers.
- Confirmation / consent letter from nearest hospital that they are aware of the event and willing to provide the medical services.
- Any other permission/s

#### **INSURANCE**

- Minimum Third Party Public Liability insurance for the days of the event Rs.50 lakhs

Annexure 1

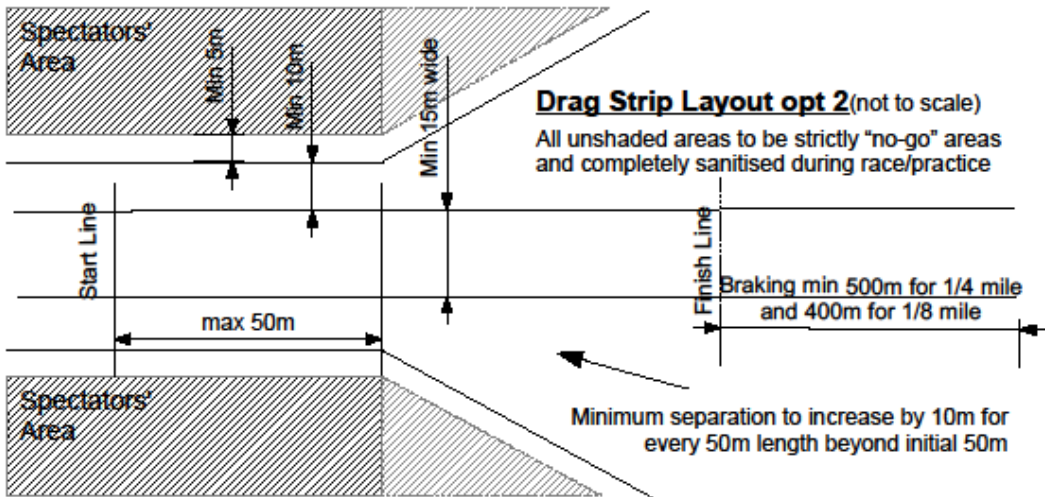
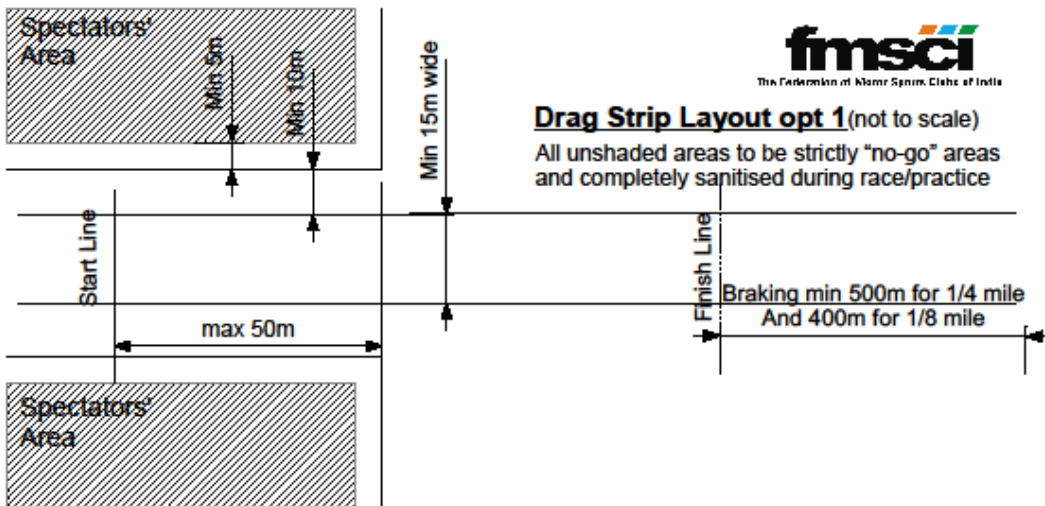
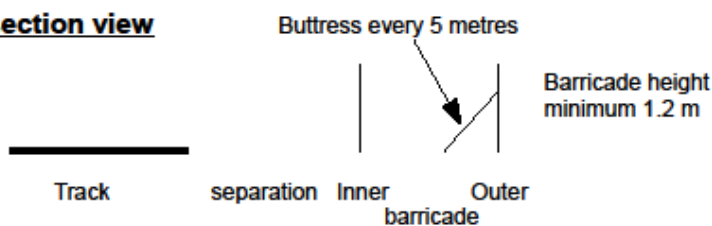


Illustration of separation: For a total spectator area length of 100m from starting line, the minimum separation between track edge and inner barricade will be 10 m + 10 m = 20m

**Cross - section view**



- Notes:** (i) Double barricading recommended, not mandatory for spectator area beyond run off area; (ii) barricades not required in case of masonry wall. (iii) In case braking area ends in an unmovable object, an additional 200m braking length required for 1/4 mile and 100m for 1/8 mile.