# formula mono

# Sporting and Technical Rules

Administered by
Formula Mono

A Category of the
Independent Race Series

formula mono

iRace

[formulamono.irace.net.au](formulamono.irace.net.au)
0418 445 574
matt@irace.net.au

[www.irace.net.au](www.irace.net.au)
0418 445 574
matt@irace.net.au

# Introduction

Whilst Formula Tasman showcases the mightiest of single-seater racing cars, Formula Mono is the place for the frenetic energy and wheel to wheel battles of the entry level formulas.

It features Formula Fords, Formula Vees, Formula Juniors and other NON wings and slicks racing cars.

This type of racing exploded in the 1960s when the famous British Jim Russell Racing Driver School and Motor Racing Stables had their students go to war on the track. The pinnacle is the Formula Ford Festival at Brands Hatch (which started in 1971) where several hundred ambitious drivers battle for the title.

These formulas have been a rite of passage for everyone going to Formula 1 and launched the careers of legendary drivers such as Emerson Fittipaldi, James Hunt, Niki Lauda, Ayrton Senna, Michael Schumacher, Jenson Button and our own Mark Webber.

For many fans this is their favourite event, where cars have been known to go five abreast!

# 1. Sporting Rules - General

### 1.1 Title

1.1.1 The Formula Mono Championship is a National Championship. The Championship will be run as part of the Independent Race Series (iRace).

### 1.2 Officials

| | | |
|---|---|---|
| 1.2.1 Category Director | : | Mr Matt Veal |
| 1.2.2 Competitor Liaison | : | Mr Matt Veal |
| 1.2.3 Series Public Relations | : | Mr Sam Dale |

### 1.3 Other Relevant Documents

1.3.1 The Formula Mono Championship will be run as part of the Independent Race Series. Meeting Rules, and Further Rules, promulgated for each round of the Championship will contain information relevant to Formula Tasman competitors and personnel.

1.3.2 The Formula Mono Championship will be run as part of the Independent Race Series. The iRace competition rules will be in force at all events.

1.3.3 Race meeting, and race procedures will be in accordance with the procedures and regulations outlined here, as modified by the documents listed at paragraphs 1.3.1 and 1.3.2

1.3.4 It is the responsibility of the competitor to obtain and be familiar with all relevant documents as described here, and promulgated from time to time.

1.3.5 Special bulletins may be issued throughout the year. Bulletins will either be delivered to competitors at race meetings, or promulgated via the official iRace website: www.irace.net.au/admin/

### 1.4 Registration

1.4.1 Formula Mono Category registration incurs no stand-alone registration fee. To be considered registered for the Formula Mono Championship and eligible for points, trophies and other awards, and giveaways that may be available from time to time, competitors must complete an iRace Driver Profile and Series Registration form, available to complete electronically from the Admin section of the iRace website: www.irace.net.au/features/drivers/profilesubmission/

1.4.2 Competitors must be registered to accumulate points in the Formula Mono Championship.

## 1.5 Calendar

1.5.1 The Formula Mono Championship Calendar will be updated annually and announced via the iRace website (www.irace.net.au). Typically it will consist of 5-7 rounds at various circuits.

## 1.6 Pointscore

1.6.1 Points will be awarded for each race as follows:

|              |            |
|--------------|------------|
| 1st place    | : 10 points |
| 2nd place    | : 8 points  |
| 3rd place    | : 6 points  |
| 4th place    | : 5 points  |
| 5th place    | : 4 points  |
| 6th place    | : 3 points  |
| 7th place    | : 2 points  |
| 8th place    | : 1 point   |

1.6.2 The same points scale will be awarded to placegetters in each sub-category (Formula Ford, Formula Vee, Formula Junior or any other non wings and slick car).

## 1.7 Awards

1.7.1 Awards will be at the discretion of the Series Director.

1.7.2 Unless otherwise determined by the Series Director, awards will be given for the top three outright placings. Where the number of competitors in a particular sub-category is three or greater, a separate award for the round winner of that sub-category will be presented. Where the number of competitors in a sub-category is six or greater, awards will be presented for first, second and third placings for the round for that sub-category.

1.7.3 Awards for the season outright and sub-category pointscores will be given to the championship placegetters in accordance with paragraph 1.7.2.

## 1.8 Championship

1.8.1 The point score for the Formula Mono Championship will be determined by adding the points for each round. The competitor with the highest number of points will be awarded first place in the Championship. In the event of a tied point score, the competitor with the greater number of race wins will be awarded the higher place. If the number of race wins is equal, it will be based on the number of second places, and so on down the placings.

1.8.2 Sub-category point scores will be determined in accordance with the procedure outlined at para 1.8.1

# 2. Sporting Rules – Race meetings and Race procedures

## 2.1 Scrutineering

2.1.1 Scrutineering paperwork must be completed before the vehicle is scrutineered. An approved circuit racing licence and iRace Vehicle Logbook must be provided for inspection.

2.1.2 Scrutineering of vehicles will take place on race day mornings. The exact timing and location of vehicle scrutineering will be advised in meeting rules.

## 2.2 Driver's Briefing

2.2.1 The Clerk of Course will conduct a driver's briefing at each round of the Championship. Attendance at the briefing is compulsory, and non-attendance may attract a fine or other penalty.

## 2.3 Practice Starts

2.3.1 Practice starts may only be conducted at the exit of pit lane.

## 2.4 Official Practice

2.4.1 Official practice will normally be scheduled during the first morning of the event at each round of the Championship. Official practice will consist of a minimum of 1 x 15 minute (or greater) session.

## 2.5 Official Qualifying

2.5.1 Official qualifying will normally be scheduled during the first day of the event at each round of the Championship. Official qualifying will consist of a minimum of 1 x 15 minute (or greater) session.

2.5.2 Four tyres (two front and two rear) will be marked before the commencement of official qualifying, and these tyres must then be used throughout the qualifying session and during all races. Cars must comply with, and may be randomly checked for, minimum weight limits at all times during official qualifying.

2.5.3 In the event a tyre is damaged, an application may be made to the Category Director to substitute a tyre of equivalent wear and condition (sans damage), and for this replacement tyre to be marked. The Category Director or his delegate will be the final authority on assessment of the damage and the replacement tyre.

## 2.6 Grid Allocation

2.6.1 Grid positions for the first race will be determined by times set during the official qualifying session. The driver with the fastest qualifying time will start from grid position one, next fastest from position two and so on.

2.6.2 Grid positions for subsequent races will be determined by the finishing positions from the preceding race.

2.6.3 Any competitor failing to either set a time in the official qualifying session, or record a finishing position in the preceding race, must obtain permission from the Clerk of Course to start from the rear of the grid.

## 2.7 Safety Car

2.7.1 A safety car may be used during all races in accordance with the iRace rules. Where possible and safe to do so, the safety car will maintain not less than 100km/h on the straights.

## 2.8 Race Format

2.8.1 A normal race meeting will consist of the following:
    2.8.1.1 Race One – Rolling start, 15 minute duration race.
    2.8.1.2 Race Two – Standing start, 25 minute duration race.

2.8.2 An alternate race format may be used at the discretion of the Series Director. The alternate race meeting may consist of the following:
    2.8.2.1 Endurance Format: Race One – Standing start, 35 – 40 minute duration race.
    2.8.2.2 Triple Header Format: a. Race One – Rolling start, 12 minute duration race.
                                    b. Race Two – Standing start, 22 minute duration race.
                                      c. Race Three – Standing start, 24 min duration race.

## 2.9 Start Procedures

2.9.1 Rolling starts will be conducted as follows:
    2.9.1.1 2 minute, 1 minute and 30 second boards displayed in the marshalling area or pitlane.
    2.9.1.2 Vehicles proceed onto circuit and conduct two warmup laps. On completion of second lap, vehicles stop on their designated grid spots.
    2.9.1.3 Once the grid is set, vehicles proceed behind the safety car for the race rolling start. The safety car will leave the circuit before arriving at the start/finish line, and vehicles are under control of the starter.
    2.9.1.4 Once the starter is satisfied that cars are in the correct formation the green flag will be waved and racing is to commence.
    2.9.1.5 Correct formation is defined as cars 2 by 2, with no overlap, and not greater than 5 car lengths between rows.
    2.9.1.6 After the green flag is waved, it is not permitted for a competitor to pass cars from any rows ahead of his or her own row until after crossing the start/finish line.
    2.9.1.7 In the event of an aborted start, the car in grid position one will take control, leading the field around again to the start/finish line to attempt another start. Laps after an aborted start will count towards race distance.

2.9.2 Standing starts will be conducted as follows:
    2.9.2.1 2 minute, 1 minute and 30 second boards displayed in the marshalling area or pitlane.

2.9.2.2 Vehicles proceed onto circuit and conduct two warm-up laps. On completion of the second lap, vehicles stop on their designated grid spots.

2.9.2.3 Once the grid is set the starter will give the 5 seconds signal. The red starting light will illuminate shortly afterwards, and when the light extinguishes racing is to commence.

## 2.10 Oversubscribed Grid

2.10.1 In the event of entries exceeding approved track density, registered competitors will receive priority. Order of preference will then be determined by qualifying positions, with excess cars held as reserves.

## 2.11 Parc Ferme

2.11.1 At the completion of any official qualifying session or race, at the direction of the Chief Scrutineer and/or Technical Commissioner, vehicles may be required to attend Parc Ferme. When directed, all vehicles must attend the Parc Ferme area, and not be accessed by any pit crew, and must not be removed from the area unless authorised by the Chief Scrutineer. Failure to comply with Parc Ferme procedures may result in exclusion from the event or other penalty.

# 3. Technical Rules

## 3.1 Introduction

3.1.1 Any modification or change not expressly permitted by these rules should not be carried out before consulting the Series Director.

3.1.2 Eligibility of vehicles not specifically mentioned in the following rules will be determined by, and is at the sole discretion of, the Series Director. Due regard will be given to the history of the car and it's compatibility with other competing cars.

## 3.2 General Description

3.2.1 Formula Mono is for competitors driving single seater racing cars without wings or slicks and of the following types:

Formula Ford Duratec
Formula Ford Kent
Formula Vee 1600
Formula Vee 1200
Formula Junior
Future Tourer

3.2.2 The Chassis of Formula 1 type cars must have been built before January 1st 1998. Any Formula 1 type chassis built after this date will not be allowed to compete in Formula Tasman unless express permission of the Series Director is granted. Permission may be granted in accordance with paragraph 3.1.2, and subject to the requirements of paragraph 3.16.

3.2.3 The freedoms granted in paragraphs 3.5 through 3.13 apply only to vehicles competing for **outright** Formula Mono points. In order to qualify for sub-category points and awards, vehicles must comply with the technical rules of the particular sub-category applicable during the last year the vehicle competed in that category. A master copy of the sub-category technical rules must be lodged with the Series Technical Commissioner.

3.2.4 The sub-category technical rules may be amended from time to time via technical bulletin.

## 3.3 Safety Requirements

3.3.1 All cars must comply with the safety requirements of the relevant sections of FIA Appendix J (Article 277 - Category II cars). Particular attention should be paid to Appendix J Article 259 Section 14.2.1 regarding seat belts which must be to FIA standard No. 8853 / 98.

3.3.2 Provided that it can be demonstrated that the car ran in an FIA Championship and was fitted with a cutaway steering wheel, then it may continue to be so equipped, provided that a

Vehicle Log Book is issued for the car and the fitment of such a steering wheel is recorded in that Log Book.

## 3.4 Chassis

3.4.1 It is a **recommended** that **all cars** have all major components regularly crack tested. Crack testing may be required at the scrutineers discretion (to be completed before the next event). Dye penetrant testing is deemed suitable, and a record of inspection must be kept by the competitor and produced upon request.

## 3.5 Bodywork: Free

## 3.6 Engine: Free

3.6.1 To be eligible for sub-category points and championship, vehicles must be fitted with an engine complying with the rules of that sub-category.

3.6.2 To be eligible for outright Formula Mono points and championship, the original engine may be used, or any naturally aspirated engine may be used to replace the original engine. The replacement engine must have capacity of not greater than 4000cc.

3.6.3 Permitted Modifications: Free.

3.6.4 Prohibited Modifications: None.

3.6.5 Location: As original.

3.6.6 Oil/Water Cooling: Free.

3.6.7 Induction Systems: Free.

3.6.8 Exhaust Systems: Free

3.6.9 Ignition Systems: Free.

## 3.7 Suspensions

3.7.1 Free except that ACTIVE SUSPENSION, TRACTION CONTROL & ABS are prohibited. Any competitor found to be using traction control will be excluded from the Series.

## 3.8 Transmissions: Free. All cars must have an operational reverse gear.

## 3.9 Electrics: Free.

## 3.10 Brakes: Free, except ABS is prohibited.

## 3.11 Wheels/Steering

3.11.1 Steering - Free.

### 3.12 Weight

3.12.1 Free.

### 3.13 Silencing: Free, subject to EPA requirements.

### 3.14 Fuel Tank/Fuel

3.14.1 Fuel tank type and location - as original.

3.14.2 FUEL: Commercially available Unleaded Pump Fuel (Gasoline) (in the event the Series receives support from a fuel supplier, this may be a control premium unleaded fuel). If the type of engine used requires use of an alternative fuel and/or an alternative fuel is specified in the original sub-category regulations, competitors must apply in writing to the Series Director for permission to use the alternative fuel. The written response from the Series Director will be considered approval to use the specified alternative fuel, and should be kept with the vehicle passport.

3.14.3 For any competitor using Methanol, a 3" diameter day-glow orange disc must be affixed immediately adjacent to the competition number on both sides of the car and the Race Organisers, the Race Director and the Raceday Scrutineers MUST be advised accordingly.

### 3.15 Tyres

3.15.1 Free except that to be eligible for sub-category points and championship, vehicles must be fitted with tyres complying with the rules of that sub-category.

### 3.16 Parity Adjustment

3.16.1 The Series Director reserves the right to make a parity adjustment in the event of a car enjoying a performance advantage deemed excessive. The competitor concerned will be consulted, and asked to give advice on the best method for adjustment. Possible methods include: RPM limit, ballast, boost limit (where applicable), aerodynamic limit (eg; static ride height). The final parity adjustment will be promulgated via special bulletin.

### 3.17 Numbers, Series Decals and Promotional Material:

3.17.1 Series Numbers will be allocated by the Series Director.

3.17.2 To be eligible to compete in a Series Race and to obtain Series points and / or prize and bonus money, competitors must comply with the following:
    a) **All race numbers must be of the correct size, on a clearly contrasting background.**
    b) **Tobacco advertising is completely prohibited on all cars, transporters and clothing**.
    c) Each car may be required to carry series stickers as supplied by the Series Director. Positioning of series stickers will be promulgated via bulletin.