



Sporting and Technical Rules

Administered by
LM Sports



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A Category of the
Independent Race Series



iRace

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Introduction

LM Sports is an exciting new series for Prototype Sports Cars. The kind of Sports Cars you see racing at Le Mans and around the world, racing on a circuit near you. Some of the most high tech, high speed cars, providing you with high excitement.

Previously these cars have run alongside the full-bodied Future Racers in the Thunder Sports category. While running in that category, the prototypes proved how amazingly fast they really are - lapping in times approaching the outright lap record at many of the circuits they visited. And now in 2010, the cars will have their own category, and the chance to do all out battle without the handicapped format they used in 2006 and 2007.

LM Sports sees a number of international manufacturers from around the world, doing battle with the local Australian and NZ constructors. The state-of-the-art WEST from the USA goes up against the Radical from the UK, and the locals are well represented with the Saker from NZ and the Minetti from Australia. With more cars coming online all the time, LM Sports is destined to set the track alight into the future.

1. Sporting Rules - General

1.1 Title

1.1.1 The 2010 LM Sports Championship is a National Championship. The Championship will be run as part of the 2010 Independent Race Series (iRace).

1.2 Officials

1.2.1 Category Director	:	Mr Rod Dale
1.2.2 Competitor Liaison	:	Mr Rod Dale
1.2.3 Series Public Relations	:	Mr Sam Dale

1.3 Other Relevant Documents

1.3.1 The LM Sports Championship will be run as part of the 2010 iRace. Supplementary Regulations, and Further Regulations, promulgated for each round of the Championship will contain information relevant to LM Sports competitors and personnel.

1.3.2 The LM Sports Championship will be run as part of the Independent Race. The 2010 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 LM Sports Category registration incurs no stand-alone registration fee. To be considered registered for the LM Sports Championship and eligible for points, trophies and other awards, and giveaways that may be available from time to time, competitors must complete a 2010 iRace Driver Profile, 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 LM Sports Championship.

1.5 Calendar

1.5.1 The 2010 LM Sports Championship Calendar is as follows:

ROUND 1	Oran Park GP, NSW	15-16 January 2010
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ROUND 2	Morgan Park, QLD	20-21 March 2010
ROUND 3	Eastern Creek, NSW	9 April 2010
ROUND 4	Lakeside, QLD	12-13 June 2010
ROUND 5	Eastern Creek, NSW	9 July 2010
ROUND 6	Eastern Creek, NSW	16 October 2010

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 (<1000cc, 1001-1400cc, 1401-2000cc, 2001-3000cc, >3000cc).

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 pointscore for the LM Sports 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 pointscore, 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 pointscores 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 Saturday and Sunday 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 2010 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 weekend 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 weekend 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 warmup 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 pitcrew, 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 its compatibility with other competing cars.

3.2 General Description

3.2.1 LM Sports is for competitors driving prototype sports racing cars of either carbon fibre, aluminium monocoque or space frame construction, having an open or closed cockpit and covered mudguards. Capacity classes are as follows:

3.2.1.1	Up to 1000cc engine capacity	-	Oxygen Class
3.2.1.2	1001-1400cc engine capacity	-	Radon Class
3.2.1.3	1401-2000cc engine capacity	-	Neon Class
3.2.1.4	2001-3000cc engine capacity	-	Argon Class
3.2.1.5	3001cc and above engine capacity	-	Xenon Class

3.2.2 For forced induction cars (turbocharged and/or supercharged) a multiplication factor of 1.6 will be applied to the engine capacity for the purposes of class determination.

3.2.3 For Wankel rotary engined cars, a multiplication factor of 1.5 will be applied to the engine capacity for the purposes of class determination. In the case of a forced induction rotary engined car, the multiplication will be cumulative, ie; the 1.5 multiplication will be applied, and then that figure multiplied by 1.6 to reach the final determining figure.

3.2.4 The technical rules may be amended from time to time via technical bulletin. Further sub categories (eg; a "West Class") will be at the sole discretion of the category director.

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 All cars must be fitted with rollover protection in compliance with the iRace Competition Rules, and relevant FIA regulations.

3.3.3 A rear facing rain light is mandatory, and must be not less than 20square cm in surface area.

3.3.4 All cars must comply with the safety requirements of the iRace Competition Rules. Particular items of note are:

3.3.4.1 **Seat.** A racing seat that complies with the iRace Competition Rules and relevant FIA standard must be fitted in the driver's position. This may be integral with the vehicle chassis, with a foam insert used.

3.3.1.2 **Harness.** A harness must be fitted for the driver's position in compliance with the iRace Competition Rules and relevant FIA standard.

3.3.1.3 **Fire Extinguisher.** A fire extinguisher must be installed in accordance with the iRace Competition Rules.

3.3.1.6 **Headlamps.** Where fitted, headlamps must have an adhesive film applied to minimise fragments in the event of breakage.

3.3.5 With all bodywork in place, and the driver seated in a "ready to race" fashion, the driver must be able to exit the vehicle in not greater than 15 seconds.

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, provided all wheels are covered by the bodywork, and the cockpit opening allows compliance with para 3.3.5.

3.5.1 No aerodynamic part of the bodywork may be adjusted or manipulated by the driver from the cockpit while operating the vehicle (side mirrors excepted).

3.5.2 Suction fans, for the purpose of generating "downforce" are prohibited.

3.6 Engine: Free, subject to capacity limits outlined at para 3.2.1.

3.6.1 Permitted Modifications: Free.

3.6.2 Prohibited Modifications: None.

3.6.3 Oil/Water Cooling: Free.

3.6.4 Induction Systems: Free.

3.6.5 Exhaust Systems: Free

3.6.6 Ignition Systems: Free.

3.7 Suspensions



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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 – must be separated from the driver by a minimum of one firewall. Bladder style (FT3) tanks are recommended.

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.

3.15 Tyres

3.15.1 The Series Director may nominate a control tyre supplier subject to commercial arrangements. In the absence of any notified arrangement, choice of tyre supplier is free. Notification will be via bulletin.

3.16 Numbers, Series Decals and Promotional Material:

3.16.1 Series Numbers will be allocated by the Series Director.

3.16.2 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.**



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- b) **Tobacco advertising is completely prohibited on all cars, transporters and clothing.**
- c) Each car will be required to carry series stickers as supplied by the Series Director. Positioning of series stickers will be promulgated via bulletin.