

# Southern Tasmanian Model Car Club Inc.

6th & 7th March

2010

Entries close

15th February 2010

## 2010 1/10th EP On Road Tasmanian Championships

**Venue:** Glenorchy Lions Club Model Park  
Corner Howard & Goodwood Roads  
Goodwood  
Hobart Tasmania

**Classes:** 540 (540 Motor—Silver Can)  
Mini (Sports Tuned-540/13T Brushless)  
Stock (27T/17.5 Brushless)  
Super Stock (19T/10.5 Brushless)  
Modified

**Info:** [www.stmcc.com.au](http://www.stmcc.com.au)  
**Enquiries:** [events@stmcc.com.au](mailto:events@stmcc.com.au)

### Schedule

Friday 5th	Timed Practice
Saturday 6th	Qualifying Q1 - Q4
Sunday 7th	Q5 & Finals
Monday 8th	Rain Day

### Proudly Sponsored by:



### Hobart MINI Garage

23 Barrack Street  
Hobart  
P: 62369099  
[www.hobartminigarage.com.au](http://www.hobartminigarage.com.au)



### With the generous support of:



Lions Club of Glenorchy City



## ***Southern Tasmanian Model Car Club Inc.***

# 2010 1/10th EP On Road Tasmanian Championships

6th & 7th March 2010

### Event Schedule

The track is in a purpose built public venue with vehicle access to the track side parking area, however only pedestrian access prior to Friday 6<sup>th</sup> March is available. 240v Power is available at the track on official event days only.

**Prior to event** - Open Practice (any day)

**Friday 5<sup>th</sup> March** - Timed Practice 10:00am to 4:00pm

**Saturday 6<sup>th</sup> March**

- Practice 7:30am to 8:30am
- Technical Inspection 8:00am to 9:00am
- Drivers Meeting 9:15am
- Concours 9:30am
- Qualifying Round 1 Starts @ 10:00am  
(2 rounds for all classes)
- Lunch Break (Re-grading)
- Celebrity Race (During Lunch Break)
- Qualifying Rounds 3 & 4  
(2 rounds for all classes)

**Sunday 7<sup>th</sup> March**

- Practice 7:30am to 8:30am
- Technical Inspection 8:00am to 9:30am
- Drivers Meeting 9:30am
- Qualifying Round 5 Starts @ 10:00am
- Open Practice (30 min break for finals sorting)
- Finals  
(3 rounds of finals for all classes)



**Rain Provision:** If the weather causes either or both race days to be cancelled, Monday 8<sup>th</sup> March may be used to complete racing, especially finals, if required.

**Radio Pound** will be used on Saturday 6<sup>th</sup> and Sunday 7<sup>th</sup> March. All transmitters are to be placed in the Transmitter Pound prior to the commencement of racing each day.

### **General Event Information - All Classes**

**Qualifying Rounds** - Best 3 out of 5 count. Worst 2 dropped. Qualifying positions are based on points awarded for each driver's overall finishing position in the class (time/distance) in their best 3 of 5 qualifying rounds.

Tie breaks will be determined by the fastest (time/distance) of the best of the counted qualifiers. Dropped qualifiers will not be used for tie breaks.

**Finals** - Best 2 of 3 count. Worst 1 dropped. Points awarded for finishing positions in each race (1st - 10, 2nd - 9, 3rd - 8, etc down to 10th - 1 point).

Tie breaks will be determined by the best finishing position of the dropped final.

**Please Note:** A minimum of 4 entries per class are required.

# ***Southern Tasmanian Model Car Club Inc.***

## **2010 1/10th EP On Road Tasmanian Championships**

### **Race Meeting Format**

#### **Starting Method:**

##### ***Qualifying***

IFMAR (Staggered) Start

Grid positions for Q1 will be random

Grid positions for Q2 to Q5 will be determined by finishing position in previous qualifier

##### ***Finals***

Heads Up Start

Grid positions for all finals will be based on qualifying positions

At the 30 sec warning all cars in the race must be placed on their grid position.

Cars not in position at the 30 second warning must start from the pit lane after all cars have left the grid.

***Race Duration:*** 6 Minutes plus completion of the final lap (Modified Class—5 Min duration)

***Min Cars per Race:*** 4 (This will be at the discretion of the organisers)

***Max Cars per Race:*** 10

**Regrading** will occur after Q2 and before finals

**Marshalling** shall be provided by the racers following their heat or final. After each heat or final the participants in that race will place their cars into scrutineering and radios in impound area and assume assigned marshalling positions for the following heat. No other person is allowed on the track (except officials) while the race is in progress.

Notification of a substitute marshal shall be made to the race director prior to the one minute warning. Failure to Marshall or leaving a marshalling position before a race is completed will result in a 1 lap penalty from your best qualifying or final race time. The substitute marshal must be competent.

### **Technical Rules**

#### **General Specifications - All Classes**

- A **MAXIMUM** of two (2) sets tyres/inserts/rims will be allowed for qualifying. All qualifying sets must be presented to Technical Inspection for marking prior to the commencement of the event. A further one (1) set will be allowed for finals. These sets must be presented for Technical Inspection after Q5 is completed. Competitors to supply their own sets of tyres/inserts/rims. Pooling of tyres is not allowed.
- Antennas must be of a flexible non-metallic material. NB. Piano wire or fibreglass not allowed.
- No vehicle shall be constructed as to be dangerous to persons or cause damage to other cars.
- Automatic multi ratio gearboxes are not allowed. Only single speed drive train allowed.
- Reverse may be fitted, but must not be used during racing or practice otherwise a penalty will be applied after one warning to the driver.
- Foam bumpers must be fitted.
- No part of the bumper may extend outside the body shell when viewed from any direction, or be lower than the chassis.
- Pneumatic tyres are not allowed
- No part of the chassis, including wheels and tyres may protrude outside the body shell when viewed from above.
- No part of the motor or the electric's may protrude outside the body shell.
- Aerodynamic shaped parts (splitters / diffusers /tunnels etc) may not be fitted to the underside the chassis.
- The chassis must not be shaped to gain an aerodynamic advantage.

## ***Southern Tasmanian Model Car Club Inc.***

# 2010 1/10th EP On Road Tasmanian Championships

### **Technical Rules** (Continued)

#### **General Specifications - All Classes** (Continued)

- Bodies may not be cut above the lower door line or above the rear bumper line.
- Bodies must be securely fixed to the chassis at all times during a race.
- The only cut outs allowed on the body are clearance for the wheels (wheel arches), mounting drill holes and antenna drill hole.
- All wheel arches must be cut out as on the original car with only minimal clearance between the wheels and the wheel arches allowed.
- Windows may not be cut out or drilled
- Only one single element rear wing is allowed, fitted in the same place as the wing on the original car.
- The original wing that came with the body may be used, any replacement wing must be as close in size to the original.
- No part of the rear wing may extend higher than the body roof line. Maximum width of rear wing 195mm.
- Front wings/splitters/spoilers must be moulded into the body shell in the same positions as the original car.
- Wings/splitters/spoilers/side dams must fix rigidly to the body and or wing and may not be moved whilst the car is in motion.
- Tyre warmers and Tyre additives are allowed
- Personal Transponders **must** be used. Each driver is to supply their own transponders.
- The only frequencies to be used are:  
27 MHz            29 MHz            40 MHz            2.4 GHz
- No reversal of crystals allowed.
- Drivers must have a spare frequency to change to upon request of the Race Director. In the event of a frequency clash the lower qualifier must change.

#### **General Specifications - Mini Class**

- Chassis:** Tamiya M01, M02, M03 or M05 series front wheel drive chassis only.
- Mini Weight:** 1330 grams ready to race
- Tyres:** Commercially available Rubber Mini sized tyres and rims only  
Pneumatic tyres are not allowed
- Body:** Bodyshells are open with the following restrictions - No Modern (post 1980) 4 door touring sedans or /12<sup>th</sup> scale Wedge/Can-Am bodies allowed.
- Other:** Gearing - 16, 18 or 20 tooth pinions only to be used  
Bearings allowed  
Any hop up parts designed for use on a Tamiya Mini are permitted

#### **General Specifications - 540/Stock/Super Stock/Modified Classes**

- Chassis:** 1/10<sup>th</sup> scale four wheel drive only with independent suspension to all four wheels  
Each wheel must have a flexible joint (dogbone/universal/cvd) in its drive shaft
- Min Weight:** 1425 grams ready to race
- Tyres:** 1/10<sup>th</sup> scale Rubber tyres only allowed. Max width – 26mm. Foam or rubber moulded inserts may be fitted.  
Pneumatic tyres are not allowed
- Bodies:** 540 - Any commercially available 190mm 2 or 4 door sedan/saloon style body  
No sports style open or closed cockpit bodies  
Other Classes - Any commercially available 190mm 4 door sedan body

# ***Southern Tasmanian Model Car Club Inc.***

## **2010 1/10th EP On Road Tasmanian Championships**

### **Technical Rules** (Continued)

#### Motor Specifications

- General:** 05 sized displacement  
Ceramic magnets only (no cobalt or rare earth magnets)  
Motors must be generally available through retail outlets for hobby use.  
Motor can, end-bell, & armature must be from the same manufacturer.  
No Hybrids (Mixing of parts from different manufacturers)
- Mini Class:** Tomyia black can sport tuned motor (P/No 53068 - Max 23,000 RPM) or Mabuchi / Johnson 540 silver can motor (Max 17,500 RPM)  
Motors must be unopened or modified in any way  
**or**  
13T/3000Kv Hobby Wing / Ez Run Brushless Motor/ESC Combo (max 35amp ESC)  
Can must be etched with 13T  
No modifications to motor allowed
- 540 Class:** Johnson or Mabuchi 540 silver can motor only (Max 17,500 RPM)  
Motor must be sealed, unopened and not modified in any way
- Stock Class:**  
**Brushed** Any commercially available **27 turn, 24 degree fixed timing** motor allowed  
Armature & can must have manufacturer's identification (eg EPIC 27)  
Motors with bearings or bushings are allowed.  
Motor timing must be fixed at 24 deg (keyed into the end bell/can).  
The Timing Key in the End-Bell must not be worn to allow rotation.  
Motor Cans must have a maximum of two magnets only.  
Brush and brush hood will be lay-down configuration only.  
No End-bell modifications allowed.  
Brush springs are open.  
Brush shaping or modifying to allow timing advancement is prohibited.  
Brush serrations and cavities are permitted but full face outline must remain
- Brushless** Any commercially available 17.5t brushless motor allowed  
Sintered or bonded rotor allowed  
Motor must not be altered or modified from original state  
Sensor or Sensor-less allowed
- Super Stock Class:**  
**Brushed** Any commercially available Brushed **19 turn, 24 degree fixed timing** motor allowed  
Armature & can must have manufacturer's identification (eg EPIC 19)  
Motors with bearings or bushings are allowed.  
Motor timing must be fixed at 24 deg (keyed into the end bell/can).  
The Timing Key in the End-Bell must not be worn to allow rotation.  
Motor Cans must have a maximum of two magnets only.  
Brush and brush hood will be lay-down configuration only.  
No End-bell modifications allowed.  
Brush springs are open.  
Brush shaping or modifying to allow timing advancement is prohibited.  
Brush serrations and cavities are permitted but full face outline must remain

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### **Technical Rules** (Continued)

#### Motor Specifications (Continued)

##### *Super Stock Class:*

###### *Brushless:*

Any commercially available 10.5t or 13.5t brushless motor allowed  
Sintered or bonded rotor allowed  
Motor must not be altered or modified from original state  
Sensor or Sensor-less allowed

###### *Modified Class:*

Any Brushed Motor allowed  
Bearings, number of magnets, timing, springs and brushes are all open.  
Any Brushless Motor allowed  
Sensor or Sensor-less allowed

#### Battery Specifications - All Classes

- Any 6 cell Sub C 7.2v Nimh or Nicd battery pack (max 5000 Mah)
- All battery packs must be commercially available for hobby use.
- Battery packs may not be charged or changed during a race
- **or**
- Any 2 cell 7.4v LiPo battery pack (max 5500 Mah)
- LiPo packs must be factory sealed in a fully enclosed hard case
- The hard case may not be encased in "Shrink Wrap" or other protective material
- No modifications allowed to the case and/or the battery
- No soft cased LiPo's allowed (for car battery)
- LiPo packs must have a Minimum rating of 20C
- Overcharging is not allowed (voltage higher than 8.4v)
- Competitors must use a "LiPo Sack" or other approved device, able to withstand and contain a destructive failure without showing a flame, when charging/re-charging LiPo packs.
- LiPo packs must be used with an electronic speed control that has an inbuilt low voltage cut-off (6v) or an external low voltage cut-off device installed in the car and connected in the proper manner.
- LiPo packs must be charged using a LiPo capable charger only, at a maximum rate of 1C or a maximum rate as specified by the manufacturer.
- Any physical distortion, denting, puncturing or damage to the hard case will deem the LiPo pack ineligible for use at the event
- Batteries must be commercially available for hobby use.
- Battery packs may not be charged or changed during a race

#### **Facilities at the Track:**

The Lions Club of Glenorchy will again be operating their famous BBQ, also serving hot/cold drinks.

Toilet facilities are located within the park complex.

240V Power is available. Extension leads are required.

Trestle tables will be available for competitors use.

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### **Driver Responsibilities:**

1. You are responsible for your actions and must be courteous to all other competitors, officials, marshals and spectators.
2. Failure to be courteous will result in penalties or disqualification from the event.
3. Immediately after each race, drivers are to place their transmitters in the Radio Pound, cars in the Scrutineering area and move to their marshalling position, as designated by their car number.
4. You **MUST** marshal the race immediately after yours – failure to do so, or leaving your marshalling position early, will result in a 1 lap penalty from your best qualifying or final race time.
5. It is a driver's responsibility to arrange a suitably experienced person to act as a substitute marshal if required. The Race Director must be informed of any substitute marshals being utilised.
6. Cars failing scrutineering or failing to be presented for scrutineering will lose the result of their previous race.

### **Marshal Responsibilities:**

1. No repairs are to be carried out by marshals, nor are those marshals to return a stopped car to the pit area or driver. Pit crews/drivers may retrieve stopped cars.
2. Only marshals and event officials are permitted on the asphalt surface during a race. Exceptions to this are pit crews and drivers retrieving a stopped car.
3. All marshals are asked to marshal in the manner you would want your car marshalled when you are racing. Keep alert and concentrate on your section of the track.
4. Do not leave your marshalling position until the completion of the race

### **Accommodation:**

There are several 3 to 4 star motels and apartments close to the track.

Riverfront Motel Berriedale      6272 6721	Waterfront Lodge New Town      6228 4748	Hobart Tower Motel New Town      6228 0166
Riverfront Apartments Berriedale      6272 2649	Northside Holiday Villas Glenorchy      6272 4472	Argyle Motor Lodge North Hobart      1800811504
Graham Court Apartments New Town      1800811915		Quest Apartments Hobart      6236 9656

Alternatively, there are many 3 1/2 to 5 star hotels located in the Hobart CBD, less than 20 minutes drive from the track.

STMCC suggest the above properties, however we make no specific recommendations.