

Raceworks Singapore On-Road Championship Series (ROCS) 2014 **(Version : 20 January 2014)**

Raceworks Hobbies is pleased to announce details of the RaceWorks Singapore On-Road Championship Series (ROCS) 2014.

After 2 successful years of ROCS, RaceWorks hopes this to produce a hat-trick with an even better 3rd season in 2014.

The details of the classes to be run and the applicable race fees are below.

Race Dates

| | | |
|--------------|---|-------------|
| Race 1 | : | 9 Feb 2014 |
| Race 2 | : | 30 Mar 2014 |
| Race 3 | : | 18 May 2014 |
| Race 4 | : | 22 Jun 2014 |
| Race 5 | : | 27 Jul 2014 |
| Race 6 | : | 17 Aug 2014 |
| ROCS Finale: | | 7 Sep 2014 |

Each racer's best 5 results (inclusive of the ROCS Finale race) will be used to determine the overall ROCS ranking for the season.

Venue

All ROCS races are currently scheduled to be run at RaceWorks Arena at Bottle Tree Park¹

Classes

With the aim of further developing the 1/10 electric touring class, RaceWorks has decided to reduce the number of 4WD touring car classes at ROCS to consolidate racers into one single 13.5 Superstock class. It is our hope that this will increase the overall participation in the class and also allow all drivers to improve on their racing through sharing of common setups and running against similar skilled drivers in their respective mains.

The original 17.5 SPEC class will evolve into a separate 17.5 non-boosted GT class which will be the intended starting point for newer racers who want to try racing at a reduced speed. This class will run separate from ROCS.

In addition to the 13.5 Superstock Class, RaceWorks may run other on-road classes (TBC) at each ROCS.

¹ RaceWorks Hobbies reserves the right to announce changes in race venues where necessary.

Fees

| <u>Class</u> | <u>Standard Rate</u> | <u>RaceWorks/RCCM Members</u> |
|-----------------------|----------------------|-------------------------------|
| ORCA SuperStock Class | S\$30 per race | S\$25 per race |

Prizes

Trophies will be awarded to all podium finishers (ie 1st, 2nd and 3rd place) in the Mains (Finals) for each race.

Trophies will be awarded to the overall series Top-10 finishers in each class.

Raceworks Singapore On-Road Championship Series (ROCS)

Rules and Regulations

1. Race Classes

a. ORCA SuperStock Class

| | |
|------------------------|--|
| Chassis | Open to All brands and makes of 1/10 th Scale, 4WD, chassis |
| Motor | 13.5T Brushless motor, open to all ROAR approved motors in the market (list to be provided) |
| ESC | Open to all ESCs commercially available in the market |
| Gear Ratio | Open |
| Batteries | <ul style="list-style-type: none">▪ Lithium Polymer 2S hard case 7.4v battery pack. Lipo batteries will be inspected before each run and must not have voltage readings exceeding 8.44v; or▪ 7.2V 6-cell Sub-C sized batteries |
| Tires / Inserts | <p>HUGE (R36) High grip belted tires with wheels.</p> <p>A minimum of 1 controlled race tire set must be purchased from Raceworks Hobbies for each round of ROCS. Each racer is entitled to purchase a maximum of 2 sets of the controlled race tires at \$32.50 per set from RaceWorks Hobbies upon payment of the race entry fee.</p> <p>A maximum of 2 controlled tire sets may be used for each raceday.</p> <p>Tires to be used for each raceday will be inspected and marked prior to the start of the race.</p> <p>Please see para 1d below for additional control tire rules.</p> |
| Body | <p>Saloon bodies meeting the following requirements:-</p> <ul style="list-style-type: none">▪ Maximum width without body 190 mm▪ Maximum width with body 200 mm▪ Maximum wheelbase 273 mm▪ Minimum height 115 mm |

| | |
|-----------------------|---|
| | The rear wing including endplates must not extend higher than the roofline. |
| Minimum Weight | 1400g including transponder |

b. Additional Control Tires Rules

i) CONTROLLED TIRE PURCHASE

Please note that the controlled tires eligible for use during the qualifiers / finals must be purchased on raceday itself. The special ROCS pricing for the controlled tires will only be available on raceday. Controlled tires purchased on raceday will be marked and race scrutineering will need to sight the official markings during pre- and post-race inspections. Tires purchased before raceday may only be used for practice before the start of qualifying.

ii) USED OF CONTROL TIRES FOR MORE THAN 1 RACE

In the interest of keeping racing affordable, controlled tires purchased from Raceworks Hobbies for one race may be used for the next or subsequent races. However, only 1 set of old tires may be used for each raceday as racers are required to purchase a minimum of 1 set of controlled tires on each raceday

Racers should note that only a maximum of 2 sets of tires (of which at least 1 set should be a new set) may be used for each race. Hence, for example, if a racer during Race 2 decides to use a set of tires used in Race 1, he will have to nominate and present to registration the Race 1 used tire set for re-marking as one of the 2 sets eligible to be used for Race 2.

Please take note that used tire sets to be nominated should bear the original marking from the prior race to be eligible to be re-marked and used in the next race.

c. ORCA Spec Class ESC/Motor Combo Purchase

The ORCA Spec Class ESC/Motor (RX2) will be available as a combo set, priced at S\$180 and comes inclusive of entry to the racer's first ROCS race. Upon purchase of the combo, racers will additionally be required to pay a deposit of S\$40, refundable upon the racer completing his first ROCS race.

2. Race Format

a. Race Duration

- Each heat / main for all classes will be run over 5 minutes.

b. Qualifying Format

Each race will have a minimum of 3 qualifying rounds of heats². Each racer's heat result will be based on the number of full laps completed and time clocked (Qualifying Result).

Qualification for the Mains will be based on one of the following formats, with the format to be used announced by RaceWorks Hobbies prior to each race:-

- *Single Best Result* – each racer's single best Qualifying Result will be used to determine his/her ranking for the Mains
- *Points Format* – each racer will be awarded points based on the ranking of his/her Qualifying Result for that qualifying round. The best 2 points awarded to each racer will be used to determine the overall ranking for the Mains.

Points for each qualifying round will be awarded as follows:-

| | | |
|-----------------|---|------------|
| 1 st | : | 155 points |
| 2 nd | : | 153 points |
| 3 rd | : | 152 points |
| 4 th | : | 151 points |
| 5 th | : | 150 points |

.... and so on.

c. Mains (Finals)

Mains will be run after the completion of all qualifying rounds.

All Mains will be run over 3-legs³, with each Main to comprise 10 racers⁴, if possible. The result for each leg of the final will be based on the number of full laps completed and time clocked (Leg Result)

The overall result for each leg (Leg Points) will be decided by a point system based on 1 point for the winner of each Main on down to 10 points for the tenth placed finisher in each separate Main.

If all 3 legs of a Main are completed, the 2 lowest Leg Points scored for each racer will count. The winner will be the racer with the lowest aggregate Leg Points from the 2 applicable legs. If 2 legs are completed, the lower of the 2 Leg Points will count. If only 1 Leg is completed,

² The number of qualifying rounds may be varied at the discretion of RaceWorks Hobbies, where necessary, due to weather and/or time considerations or other circumstances on raceday.

³ The number of legs to be run for each final may be varied at the discretion of RaceWorks Hobbies, where necessary due to weather and/or time considerations, or other circumstance on raceday.

⁴ The number of racers in each final may be varied at the discretion of RaceWorks Hobbies, with the exception of the A-final which should comprise a minimum of 10 racers, if possible.

the result of that 1 leg counts. If no mains are completed, the finishing order of qualifying will be used to determine the final results of the race.

Mains TieBreaker - In the event of a tied position, the driver with the single highest finishing position in either of the best 2 legs that counted will be awarded the tie. In the event of a continuing tie, then the laps and times from the highest finishing position will be compared. The driver with the highest laps and fastest time will be awarded the tie. If the tie still continues, then laps/times from the second best position will be compared.

d. Penalties

Penalties will be imposed on racers who fail to compete fairly or who exhibit unsportsmanlike behaviour.

Penalties that may be imposed by the Race Director include, but are not limited, to the following:-

- *Time Penalty* will result in the penalty time being added to the time recorded for the race in which the penalty is incurred.
- *Lap Penalty* incurred during a race will be subtracted from the total laps recorded for the race in which the penalty was incurred.
- *“Stop-and-Go” Penalty* may be assessed by the Race Director, with or without delay, instead of time penalties. During a “stop and go” penalty, the vehicle must be stopped in the pit lane or other designated area, before it may resume racing.
- *“Black Flag”* may be given to a driver whose driving, vehicle operation, or performance constitutes a hazard to the other vehicles in the race⁵. This includes insufficient skills to compete in the class, unsportsmanlike driving, abusive language, and intentional hitting of other vehicles, intentional short coursing, intentional corner cutting, intentional blocking when being overtaken, illegal or improper vehicle numbers and other such acts. When assessed a “Black Flag” the racer should pull his/her vehicle off the track immediately. The driver will remain on the drivers stand until that heat or race is over.

The following are the penalties that would typically be imposed:-

| Action | During Qualifier | During Main (Final) |
|--|---------------------------------|---|
| Jump-Start | NA | If one or more vehicles jump start, a false start will be declared, and the grid will be re-formed. If the same vehicle moves a second time, it will be moved back the length of the grid from its original starting position. |
| Not having sufficient control to prevent hitting another vehicle | Stop-and-Go | Stop-and-Go |
| Corner Cutting | 10 second penalty | 10 second penalty |
| Short Coursing (ie jumping track) | 1 lap penalty for each incident | 1 lap penalty for each incident |

⁵ The “Black Flag” ruling will be applied judiciously, particularly with respect to the ORCA Spec Class which is intended for beginners

| Action | During Qualifier | During Main (Final) |
|--|-----------------------------------|------------------------------|
| Failure to Marshal | 1 lap penalty from best qualifier | 1 lap penalty from best main |
| Failing to respond to a Race Officials request | 1 lap penalty from best qualifier | 1 lap penalty from best main |

Please note - If the racer stops his vehicle in the area of the corner cutting infraction and allows the vehicle that was immediately behind him when the corner was cut to pass, no penalty is applicable. If a short-coursing vehicle is returned to the point where the infraction took place, no penalty is applicable.

e. Marshaling

Racers are required to marshal for their designated race and be in position before the start of the next race. Failure to marshal shall result in a 1-lap penalty from the best qualifier or Main.

3. PRE- AND POST-RACE SCRUTINEERING

Rules for each of the classes will be enforced during ROCS 2014. The following procedures for scrutineering will apply during each race:-

- i. Racers will be required to present their cars for pre-race inspection
- ii. Once inspected, cars should not be returned to the paddock area before the qualifiers/ finals starts. Should there be a need to bring the car back to the paddock area prior to the start, the car should be presented to scrutineering once again for inspection.
- iii. Upon completion of the qualifier / final, cars should be driven to the car pick-up area. The cars will be picked up by scrutineering for post-race inspection. Drivers and/or their mechanics may not pick up the car until the car has been inspected.
- iv. At the end of the heat/final, drivers may place their transmitters at the TX Holding Area, and proceed immediately to their assigned marshalling point.
- v. Drivers may only retrieve their cars from scrutineering after they have completed their marshalling duties.

All qualifiers / finals will start as per the time schedule to be provided on raceday. It is the racers' responsibility to ensure that their cars are presented to scrutineering sufficiently early to enable inspection to be completed prior to the start of the heat/final.

In the spirit of developing higher standards of racing, RaceWorks may request and post the setups of racers' cars for the benefit of other racers after each race.

4. ROCS Points

Points will be awarded to each racer based on his final position at each race as follows:-

| Top Qualifier : 2 points | | | | |
|--------------------------|--------|--------|--------|--------|
| Position | A-Main | B-Main | C-Main | D-Main |
| 1 st | 98 | 82 | 70 | 60 |
| 2 nd | 93 | 80 | 69 | 59 |
| 3 rd | 91 | 78 | 68 | 58 |
| 4 th | 90 | 77 | 67 | 57 |
| 5 th | 89 | 76 | 66 | 56 |
| 6 th | 88 | 75 | 65 | 55 |
| 7 th | 87 | 74 | 64 | 54 |
| 8 th | 86 | 73 | 63 | 53 |
| 9 th | 85 | 72 | 62 | 52 |
| 10 th | 84 | 71 | 61 | 51 |

Where there are fewer than 10 cars in each Main, the points of the positions not contested will be awarded to the racers in the next final (eg if it is determined that the A-Main should consist of only 8 racers, the 1st and 2nd place finishers in the B-Main will be awarded points from A9 (85 pts) & A10 (84 pts) respectively).

The best 4 ROCS Points scored, inclusive of ROCS Points scored at the ROCS Finale race, will be used to determine the ROCS Series Ranking for each class.

5. RaceWorks Hobbies' Discretion

ROCS racing is intended to promote fair competition for all racers under a friendly environment. Where necessary, RaceWorks Hobbies reserves the right to amend the above rules to meet this objective.