

# Mid-Atlantic Championship Series

## Rules:

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### General

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The aim of the series and these rules are to provide a fair and fun playing field for everyone. The rules are designed to promote fairness, but not be overly strict. Below are specific guidelines for each class.

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### Modified TC

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#### *Batteries:*

- Any ROAR Approved hard case 2s LiPo battery packs.
- LiPo has to be charged in a special LiPo charging bag
- Maximum battery voltage: 8.40 volts

#### *Tires:*

- Indoor:
  - [Gravity G-Spec Type C](#)
- Outdoor:
  - [Team Powers TP-TPG3404](#)
- Tires will be available for purchase at the event.
- All wheels will be marked with special MACS event stickers. Limit 2 sets per event.
- Only the removal of the centre rubber mould line is permitted. Any further grinding or sanding of the tire's surface or sidewalls in an attempt to lighten the tire, change the diameter or affect its structure is strictly forbidden.

#### *Additive (indoor & outdoor):*

- Indoor: SXT 3.0 Only. Will be available for purchase at the event.
- Outdoor: Open

#### *Bodies:*

- 190mm 4-door commercially available saloon bodies.
- All bodies must have lights (front & rear) and grill, painted (from inside) or using decals.
- Only lexan rear wings are allowed

#### *Car:*

- Maximum width without body = 190 mm
- Maximum width with body = 200 mm
- Minimum height with body = 130 mm (with 20mm blocks under chassis)
- Minimum weight = 1350 grams including personal transponder
- Minimum ride height = 5mm (Indoor carpet)

#### *Electronics:*

- The use of a Gyro or other electronic driving aids are not allowed.

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## Pro Stock TC

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### ***Batteries:***

- Any ROAR Approved hard case 2s LiPo battery packs.
- LiPo has to be charged in a special LiPo charging bag
- Maximum battery voltage: 8.40 volts

### ***Tires:***

- Indoor:
  - [Gravity G-Spec Type C](#)
- Outdoor:
  - [Team Powers TP-TPG3404](#)
- Tires will be available for purchase at the event.
- All wheels will be marked with special MACS event stickers. Limit 2 sets per event.
- Only the removal of the centre rubber mould line is permitted. Any further grinding or sanding of the tire's surface or sidewalls in an attempt to lighten the tire, change the diameter or affect its structure is strictly forbidden.

### ***Additive (indoor & outdoor):***

- Indoor: SXT 3.0 Only. Will be available for purchase at the event.
- Outdoor: Open

### ***Bodies:***

- 190mm 4-door commercially available saloon bodies.
- All bodies must have lights (front & rear) and grill, painted (from inside) or using decals.
- Only lexan rear wings are allowed

### ***Car:***

- Maximum width without body = 190 mm
- Maximum width with body = 200 mm
- Minimum height with body = 130 mm (with 20mm blocks under chassis)
- Minimum weight = 1350 grams including personal transponder
- Minimum ride height = 5mm (Indoor carpet)

### ***Electronics:***

- The use of a Gyro or other electronic driving aids are not allowed.

### ***Motor for Pro Stock:***

- TBA

### ***Speed Control for Pro Stock:***

- Any ROAR Approved speed control in non-timing "blinky" mode.

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## Formula Class

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### ***Batteries:***

- Any ROAR Approved hard case 2s LiPo battery packs.

- LiPo has to be charged in a special LiPo charging bag
- Maximum battery voltage: 8.40 volts

***Tires:***

- [Gravity G-Spec F1, Pre-Glued set of 4](#)
- Only the removal of the centre rubber mould line is permitted. Any further grinding or sanding of the tire's surface or sidewalls in an attempt to lighten the tire, change the diameter or affect its structure is strictly forbidden.

***Additive:***

- Indoor: SXT 3.0 Only. Will be available for purchase at the event.
- Outdoor: Open

***Bodies:***

- Only Formula 1 body styles are allowed.
- All cars must have a drivers figure installed in the cockpit.

***F1 Wings:***

- Only molded plastic wings may be used. Lexan wings are not permitted.

***Car:***

- Maximum width: 190mm
- Minimum weight = 1050 grams including personal transponder
- Minimum ride height = 4mm (Indoor carpet)
- Front independent king pin, coil spring suspension is allowed. Suspension pick up points must be mounted inside the body. Independent front shocks are not allowed.
- The main chassis plate must not protrude from the body when viewed from above

***Electronics:***

- The use of a Gyro or other electronic driving aids are not allowed.

***Motor:***

- Indoor: ROAR Approved 25.5  
Only ROAR Approved rotors allowed. Rotor must be ROAR approved specifically for that motor – no mixing of brands, etc.
- Outdoor: ROAR Approved 21.5  
Only ROAR Approved rotors allowed. Rotor must be ROAR approved specifically for that motor – no mixing of brands, etc.

***Speed Control:***

- Any ROAR Approved speed control in non-timing “blinky” mode.

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**USGT**

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***Batteries:***

- Any ROAR Approved hard case 2s LiPo battery packs.
- LiPo has to be charged in a special LiPo charging bag
- Maximum battery voltage: 8.40 volts

***Tires:***

- Gravity RC [GRC124GTB](#) – or – [GRC124GTW](#)
- All wheels will be marked with special MACS event stickers. Limit 2 sets per event.
- Only the removal of the centre rubber mould line is permitted. Any further grinding or sanding of the tire's surface or sidewalls in an attempt to lighten the tire, change the diameter or affect its structure is strictly forbidden.

***Additive (indoor & outdoor):***

- Indoor: SXT 3.0 Only. Will be available for purchase at the event.
- Outdoor: Open

***Bodies:***

- 190mm 2-door coupe bodies.
- All bodies must have lights (front & rear) and grill, painted (from inside) or using decals.
- Lexan wings must be no more than 10mm tall. Molded plastic wings permitted.

***Car:***

- Maximum width without body = 190 mm
- Minimum weight = 1380 grams including personal transponder
- Minimum ride height = 5mm (Indoor carpet)

***Electronics:***

- The use of a Gyro or other electronic driving aids are not allowed.

***Motor:***

- Any ROAR Approved 21.5 motor.  
Only ROAR Approved rotors allowed. Rotor must be ROAR approved specifically for that motor – no mixing of brands, etc.

***Speed Control for USGT:***

- Any ROAR Approved speed control in non-timing “blinky” mode.

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**Tamiya Euro Truck**

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***Batteries:***

- Any ROAR Approved hard case 2s LiPo battery packs.
- 4200mah maximum
  - Example:
    - [Reedy WolfPack LiPo 4000mAh 35C 7.4V](#)
    - [Peak PowerMax Sport 4200 LiPo 7.4V](#)
- LiPo has to be charged in a special LiPo charging bag
- Maximum battery voltage: 8.40 volts

***Tires:***

- Kit wheel and tire only.
- Any grinding or sanding of the tire's surface or sidewalls in an attempt to lighten the tire, change the diameter or affect its structure is strictly forbidden.
- Glued sidewalls are permitted.

***Additive (indoor & outdoor):***

- Indoor: SXT 3.0 Only. Will be available for purchase at the event.
- Outdoor: Open

***Bodies:***

- Any Euro Truck type body.
- All bodies must have lights (front & rear) and grill, painted (from inside) or using decals.

***Car:***

- Build exactly per instruction manual. Must use all parts.
- Only hop-up allowed is ball bearings.
- Any grease or lube may be used to lubricate gears or moving parts.
- There is no minimum weight, however it is not permitted to remove any material from any parts.
- Minimum ride height = 5mm (Indoor carpet)

***Electronics:***

- The use of a Gyro or other electronic driving aids are not allowed.

***Motor for Euro Truck:***

- Kit supplied motor (item 54358 RS-540 Torque-Tuned Motor) must be used.
- Motor Bullet connectors may not be removed.

***Speed Control for Euro Truck:***

- Kit supplied Tamiya TBLE-02S ESC must be used.
- Battery connector may be changed to DEANS.

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**Championship**

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***Structure:***

Top Qualifier (TQ) = 1 bonus point

1<sup>st</sup> = 100 points

2<sup>nd</sup> = 96 points

3<sup>rd</sup> = 93 points

4<sup>th</sup> = 91 points

5<sup>th</sup> = 90 points

Subtract 1 point for each position lower.

Best 3 results from 4 rounds count.

If points are tied at the end of the championship, we will check who has more podiums 1st, 2nd, 3rd. If they are still tied then we will check who has more TQ's. If still tied then we check who has more 4, 5, 6, 7, 8, 9, 10. We will never count a throw out round.

To receive points awards at the conclusion of the season, there must be a minimum of 5 participants in that class at each of the 4 events.