

# MILE HIGH INDOOR CHAMPIONSHIPS 2019



Competition Rules V1.0

Hosted by: CORRC

March 15, 2019

# CLASS RULES

## 1/10<sup>th</sup> Scale Sedan

### 21.5 Stock Sedan

Weight: 1350 grams

Tire: Jaco Blue (must be purchased at the track during the event)

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 5mm

Wing Height: Below Roof line

Motors: ROAR approved 21.5 motors

Speed Controls: ROAR approved "non timing" speed controls

Gearing: Open

Battery and voltage: ROAR approved 2S Hard LiPO batteries with a Max voltage of 8.40

Qualifiers and Mains: 5 Minutes

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### 17.5 Super Stock Sedan

Weight: 1350 grams

Tire: Jaco Blue (must be purchased at the track during the event)

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 5mm

Wing Height: Below Roof line

Motors: ROAR approved 17.5 motors

Speed Controls: ROAR approved "non timing" speed controls

Gearing: Open

Battery and voltage: ROAR approved 2S Hard LiPO batteries with a Max voltage of 8.40

Qualifiers and Mains: 5 Minutes

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### Modified Sedan

Weight: 1350 grams

Tire: Jaco Blue (must be purchased at the track during the event)

Traction allowed: SXT 3.0 (Regular Only)

Wing Height: Below Roof line

Minimum Ride Height: 5mm

Gearing: Open

Battery and voltage: ROAR approved 2S Hard LiPO batteries with a Max voltage of 8.40

Qualifiers and Mains: 5 Minutes

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## USGT

Weight Specification: 1380g weight

Motor Specifications: ROAR approved 21.5

Bodies must be on the approved list at <http://www.usvintagetransam.com/rules/USGTClassRules2-8-2018.pdf>

Tire: Gravity RC USGT Tires (must buy at the race)

Traction allowed: SXT 3.0 (Regular Only)

Wing Height: Any "SCALE" molded wings can be used. Lexan wings 10mm maximum height / side dam height  
Scale type race liveries encouraged

Minimum Ride Height: 5mm

Gearing: Open

Battery and voltage: ROAR approved 2S Hard LiPO batteries with a Max voltage of 8.40

Qualifiers and Mains: 5 Minutes

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## 1/12<sup>th</sup> Scale Pan Car

### CAN-AM 1/12<sup>th</sup> Scale Stock

Weight: 730 grams

Tire: Purple Stripe only Spec tire (must be purchased at the race)

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 3mm

Motors: CAN-AM Handout

Gearing: **Fixed 58/72T 64P**

Speed Controls: ROAR approved "non timing" speed controls

Battery and voltage: ROAR approved 1S Hard LiPO batteries with a Max voltage of 4.20

Qualifiers and Mains: 8 Minutes

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## **13.5 1/12<sup>th</sup> Scale Super Stock**

Weight: 730 grams

Tire: open

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 3mm

Motors: ROAR approved 13.5 motors

Speed Controls: ROAR approved "non timing" speed controls

Gearing: Open

Battery and voltage: ROAR approved 1S Hard LiPO batteries with a Max voltage of 4.20

Qualifiers and Mains: 8 Minutes

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## **1/12<sup>th</sup> scale Modified**

Weight: 730 grams

Tire: open

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 3mm

Battery and voltage: ROAR approved 1S Hard LiPO batteries with a Max voltage of 4.20

Gearing: Open

Speed Controls: ROAR approved "non timing" speed controls

Qualifiers and Mains: 8 Minutes

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## **1/10<sup>th</sup> Scale Pan Car GT-R**

### **17.5 GT-R**

Weight: 1025 grams

Tire: CRC GT-R Spec Tire

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 5mm

Maximum track width: 200mm; Tires cannot stick outside the body width

Body cutting: mold lines

Motors: ROAR approved 17.5 motors

Speed Controls: ROAR approved "non timing" speed controls

Battery and voltage: ROAR approved 1S Hard LiPO batteries with a Max voltage of 4.20

Gearing: Open

Legal bodies can be found here: <https://www.rctech.net/forum/showpost.php?p=14161276&postcount=1>

Qualifiers and Mains: 5 Minutes

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## CAN-AM 1/10<sup>th</sup> Scale Pan Car F1

### F1

Weight: 1050 grams

Tire: CRC

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 4mm

Motors: CAN-AM Handout

Speed Controls: ROAR approved "non timing" speed controls

Gearing: **Fixed 28/92T 64 Pitch**

Battery and voltage: ROAR approved 2S Hard LiPO batteries with a Max voltage of 8.40

Qualifiers and Mains: 5 Minutes

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## 1/12<sup>th</sup> Scale GT

### GT12

Weight: 730 grams

Tire: Purple Stripe only Spec tire (must be purchased at the race)

Traction allowed: SXT 3.0 (Regular Only)

Minimum Ride Height: 3mm

Motors: ROAR approved 21.5 motors

Speed Controls: ROAR approved "non timing" speed controls

Battery and voltage: ROAR approved 1S Hard LiPO batteries with a Max voltage of 4.20

Bodies: Any GT12 body USA and BRCA approved. Must cut bodies on the provided lines; no slamming bodies down.

Gearing: Open

Qualifiers and Mains- 6 Minutes

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# TECH RULES

Each time you come to pre-tech the following items may be checked:

- Car Weight
- Ride Height
- Tires (for spec tire classes)
- Wing Height
- Battery Voltage
- Battery Temperature (no more than 10 degrees above ambient)
- Speed Control non-timing blink (for the non-timing classes)

Top three drivers from each race will go back through post tech every race

See here for ROAR approved motors, batteries, and speed controls:

<http://www.roarracing.org/approvals.php>

Spec Motors will be checked using the latest equipment and will be sealed and stickered for each class. Motors will be brought to motor tech fully assembled and will be checked to ensure adherence to ROAR tolerances that were submitted to ROAR for approval. Legal rotors and motor components for the classes are the racers responsibility. MHIC crew reserves the right to tear apart a motor at any time to ensure legality within the rules. Only approved motors that pass tech inspection will be allowed to be used for qualifying and/or mains. Maximum of three motors per class per person may be tech'd and used for racing at the event. Motors that are too hot or too cold will not be tech'd until they are within 10 degrees of ambient room temperature.

# LIPO CHARGING

## LIPO Charging and heating:

All LiPOs **MUST** be charged in an approved LiPO sack. If you are caught charging outside of a LiPO sack then you will be warned the first time. The second time you will be asked to leave for the day. The third time you will be removed from the race. If you are caught violating these rules you cannot request a refund of any of the racing fees.

Batteries should come to tech 10 degrees plus ambient temperature of the tech room to be deemed legal.

Maximum voltage will be 8.40v for 2S and 4.20v for 1S classes

Maximum charge rate is 15 Amps for all Lipo Batteries. Subject to change at event if required.

# MARSHALING

## Marshaling and rough driving:

Once the race is over please place the car on the provided table and then proceed to your marshaling position for the next race. You will be required to either marshal or find someone to marshal for you after every race that you are entered in. Even if you do not run in that race, but you are entered we will need you to marshal. Each person will be assigned to a marshal spot based on their assigned car number. If you do not marshal you will be warned once then if you or your substitute does not marshal your previous round will be thrown out. Please make this easy and help all of your fellow racers have a great weekend of racing.

Rough driving will not be tolerated! Let's keep the racing clean and fun and if rough driving is found you may be required to do a stop and go by the announcer or race director. It is important to be a courteous driver, if you take someone out then please stop and wait outside the line of traffic until the car you affected gets by. Use some common sense and have fun.

# TRACTION

## Traction Compound:

SXT V3.0 (Regular) is the **only** approved traction compound for the race.

# BODIES

## Approved Bodies:

ROAR/EFRA/BRCA approved bodies will be legal for MHIC 2019.

# SPEC TIRES

## Spec Tires:

- GT-R will be CRC GT-R Spec tires
- 1/12<sup>th</sup> Stock will use lilac “purple stripe” spec tire.
  - Max of three sets for qualifying and lower mains
  - Drivers making the A main will be allowed to purchase two additional sets
- Gravity USGT spec tires will be used for the USGT class and need to be purchased at the race for qualifiers and mains.
  - Maximum of three sets per class of racing tires will be allowed for qualifying and mains. One additional set allowed to be purchased for A mains
- Jaco Blue Rubber tires will be used and need to be purchased at the race for all rubber tire Sedan classes. These tires must be used in all qualifiers and mains for the MHIC 2019 event.
  - Maximum of three sets per class of racing tires will be allowed for qualifying and mains. One additional set allowed to be purchased for A mains.
- F1 tires are BYOT. But CRC tires do seem to work best at 5280 Raceway.
- GT12 can use both JFT spec tires (Blue Stripe) and CRC Spec tires (Purple Stripe)

# MEMBERSHIPS AND FEES

- ROAR or CORRC membership not required to participate in this race
- Entries will be limited to the first 120 people

# LAYOUT

The racing layout will be selected by the race committee and will be put down before the start of the MHIC 2019. Racers will be permitted to race in the club race prior to the event, but entries to the club race may be limited.



Please check out [www.5280raceway.com](http://www.5280raceway.com) or [www.milehighindoorchamps.com](http://www.milehighindoorchamps.com) for more information

## RACING RULES

Whatever is on the ROAR list as of April 1<sup>st</sup> 2019 will be allowed at the event for motors and batteries.

For 2019 MHIC will be implementing Single mains.

Qualifying MHIC 2019 will be four rounds of racing with the rocket round format to seed the mains. This means your fastest run of the four rounds will be selected.

At MHIC we qualify the top 10 drivers to each main. No bump ups!

Please check out [www.5280raceway.com](http://www.5280raceway.com) or [www.milehighindoorchamps.com](http://www.milehighindoorchamps.com) for more information