



2020 IFMAR GT IC TRACK WORLD CHAMPIONSHIP

January 12-18 2020
HOMESTEAD RC RACEWAY
FLORIDA-U.S.A

STAGE 2 REPORT

Short overview of GT rules and additional information.

The last version of the Gt rules can be found on the IFMAR website. See: https://www.ifmar.org/wp-content/uploads/2018/10/IFMAR%20GT%20class%20rules%20final%202018%20V1_1%20GBS%20correction.pdf

Those rules are based on various discussions during 2017 and 2018. This class was meant to be slightly different than the already 40 years existing 1/8th Proto cars. A car made with off-road parts and drive shafts, low maintenance and rubber tires to get only small tire wear. Also the body on the car should be something that can be recognized. Silhouette profile with the original car must be visible. Originally the plan was to specify motor-specs with maximum timing and height of the exhaust port, however this is difficult to check for technical inspection without dismantling the motor etc, so we decided to use heat length and no refuelling as a way to limit the engine specs and a maximum carburettor diameter of 7mm, in combination with 16% of nitro. Also the first refuelling in a final is only possible after 7 minutes.

However this first GT event is now to be scheduled in January 2020 and due to the fact that each bloc has used different interpretations (especially when it comes to length of heat, refuelling allowed and nitro percentage) of some technical rules we decided after some consultation with countries/blocs and the organizer to make some small changes and additions.

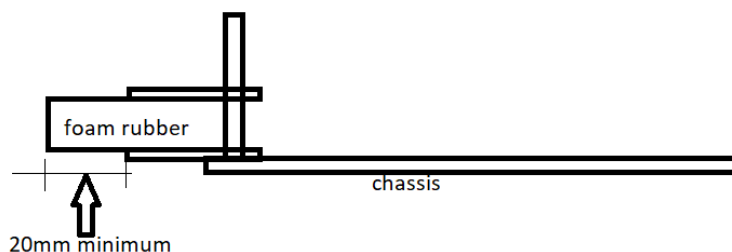
Heat length will be 6 minutes, no refuelling allowed. For all finals first refuelling after 6 minutes and second refuelling after 12 minutes. So watch out with heavily modified engines.

Bodies to be used, only those on the list with approved bodies, see: https://www.ifmar.org/wp-content/uploads/2019/09/IFMAR2019bodylist%20GT8_V0.pdf

Same applies for mufflers and INS boxes.

<https://www.ifmar.org/wp-content/uploads/2019/07/IFMAR%20mufflerlist%208th%202019.pdf>

Furthermore some additional information regarding the foam bumper in front. The foam bumper minimum measurement is 20 x 200 (height x width) mm and the foam must be able to absorb over an area of 20mm minimum, so do not lock the foam up between 2 plastic parts causing no impact area.



Minimum weight 3500 gram, ready to run, no fuel inside

No Centax clutch, Clutch must use radial centrifugal shoes only in conjunction with Standard parallel sided cylindrical clutch bell.

Bodies to be used at this event for WC GT 1/8th IC;

INTERNATIONAL FEDERATION OF MODEL AUTOMOBILE RACING				
1/8th IC GT bodylist for Homestead 2020				
Type	Manufacturer	number	info	
Blitz GT	Titan	60804	based on Ferrari 458	
Blitz GT3	Titan	60806	based on McLaren P1	
Hyper SS	Protoform	PF1572	based on Toyota GR Supersport	
Gimar XXX12	Gimar	XXX12	based on Maserati MC12 Corsa Corsa	

Controlled fuel will be mandatory for the event. There are 2 brands available. For practice on the first 2 days of the event fuel must be purchased per can.

1. Fuel brands available for the event would be VP 16% and Maxima Tarmac 16% which will be provided starting with seeding rounds. Fuel can be purchased at the track or prepaid on our website for practice. Prices are as follows:
Maxima Tarmac 16% 4.5L \$40,-
VP Fuel 16% 3.8L \$30,-
2. Fuel for the race event itself, starting with timed practice on the January 14th, fixed amount of \$48,- for the whole event. To be paid on track site or by means of the website.
3. The Control Tire for the event will be Matrix GT001
Controlled tires must be used starting the timed practice for seeding on January 14th and you could purchase up to 3 sets of tires for the entire event. Tires should be returned in the controlled if driver is planning to reuse them during the event. We will allow drivers to balance their tires prior to the event in a controlled area. You will be allowed to purchase another set for the Main Final (refer to the rules) For the practice days you need to use your own tires or tires that could be purchased at the track or prepaid on our website.
Price is \$48,- per set (one set = 4 tires)

Due to the number of drivers expected for this first IC event which will be around 70-80, an supporting class for electric, named Homestead 1/8th GTE will be added.

This is an opportunity for extra drivers to enter the event or for drivers who are competing in the IC event can also enter this second class for an extra entry fee of \$50.00. Inscriptions for this additional class do not have to go thru the blocs, but can be done directly with the organizer. Payment of the entry fee on the website of the organizer.

The following extra rules for GTE for this additional class event will apply.

1. Standard 2x2S lipo or 4S package, hard cases .
2. Minimum weight Electric GT is 3800 grams
3. Standard lipo 4S maximum 16.80 charging voltage. In case of higher voltage measured no discharging allowed, but cancellation of your heat/final.
4. All Heats 5 minutes, finals 5 minutes. A warm-up to heat up the tires of 2 minutes is allowed.
5. 6 Rounds, point system, best 3 to count. A/B/C finals, 10 drivers per final
6. 3 x A/B/C finals, best 2 to count, point system, best laps+time in case of tie.
7. Bodies according to the Ifmar list.

8. No tire heaters allowed.
9. 3 sets of tires are allowed for whole event, including finals and only available in the controlled area.
10. Max temperature of the lipo pack measured after each run and may not exceed 55 degrees Celsius (this will help to limit settings and high currents) and is also a protection for the life expectancy of the battery pack (55 degrees is mentioned in almost every spec of a lipo battery).
11. The use of safety bags to charge your batteries is mandatory, failure to do so can cause disqualification from the event.

General Information:

- **Name** 2020 IFMAR GT Worlds
- **Date** January 12th – 18th, 2020
- **National Body** R.O.A.R. (Remotely Operated Auto Racers)

Official Web Site: <http://www.2020ifmargtworlids.com/>

Email: info@2020ifmargtworlids.com

IFMAR (International Federation of Model Auto Racing).

- Sander de Graaf, IFMAR IC Section Chairman
- Carlos Gomez, Ifmar referee
- Jeff Parker, Roar referee

Homestead R/C Raceway Crew

- George Martinez - (Race Director)
- Julian Hope- (Race Announcer / timekeeper)
- Jeff Parker (ROAR Representative)
- Steve McLaughlin- (Lead Technical Advisor)
- Sandy Parker- (Tech)
- Steve Pendergraph - (Track Maintenance)

Approved Radio Frequencies

2.4GHz DSM/DSS systems

All radios are subject to inspection at any time during the event.

Timing and Scoring

Dual AMB—MyLaps RC4 Decoder Boxes in Serial

LiveTime Race Management Software

Provisional Timetable (due to number of drivers)

Day 1 – January 11 th	Pit Setup & Early Registration. TRACK IS NOT OPEN FOR PRACTICE
Day 2 – January 12 th	International Practice Day and Registration IPD, only for those who have not been on the track for 12 months
Day 3 – January 13 th	Controlled Practice for ALL and Registration
Day 4 – January 14 th	Controlled Timed Practice for seeding followed by Opening Ceremony
Day 5 – January 15 th	Qualifying Rounds, 1/2/3/
Day 6 – January 16 th	Qualifying Rounds, 4/5/6/
Day 7 – January 17 th	Christmas Tree Ladder Lower Finals
Day 8 – January 18 th	Christmas Tree Ladder Upper Finals & Closing Ceremony / Banquet
Day 9 – January 19 th	<i>If needed – Optional Rain Day</i>

IFMAR 1:8 GT Venue

Homestead R/C Raceway

Homestead RC Raceway is located on the grounds of the world famous Homestead-Miami Speedway. The facility is inside the gates of the Speedway and offers all the speed and excitement of the bigger race cars.

The racing circuit is ideal for 1/10 scale, 1/8 scale and 1/8 scale GT fuel on road cars. The track has 13 left and right hand turns with a racing line length of 1,000 feet (over 300 meters).



Access Rights

All participants/drivers/mechanics will receive an ID badge upon registration and you will need to sign a release waiver. Badges will allow access to listed areas of the track and surrounding areas. Badges **MUST** be worn at all times when on premises. Any lost badge must be reported and will be replaced for \$5.00USD.

Accommodations

HOTELS

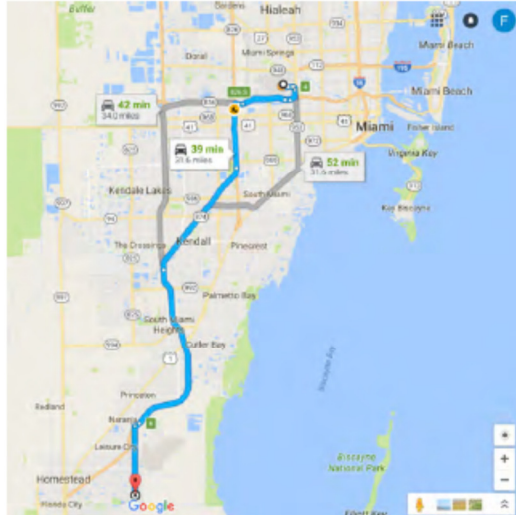
There are over a dozen hotels within 10 miles of Homestead R/C Speedway. Currently there is no "Race" specific Hotel.

CAMPING / MOTORHOMES / TRAVEL TRAILERS

Overnight parking for RV's and Motor homes is allowed, no hook-ups and must be self-contained. Dumping station is within 2 miles.

Airport Information

The Airport for the race will be Miami International Airport (MIA). The Airport is 32 miles from Homestead R/C Speedway. Numerous rental car companies are available at the airport.



Standard Power

Electrical power is standard in all states at 110 Volts and 60 cycles. 220Volt power is not normally used outside of the typical home or industrial setting for consumer products. Standard electric plugs and outlets have two flat blades and some a third round grounding pin. Most homes, buildings and surge protectors are equipped with receptacles that can accommodate either type of plug. Please keep in mind if you are a International racer you may need an adaptor or converter to change the voltage from 110 to 220 volts. Two types of plugs are shown below.



To be discussed for future IFMAR WC events in GT class during or after the event:

- Technical limitations of the car, like:
- The body post(s) must be attached directly or indirectly to the chassis. In other words, the body posts, body mount(s) and any other support of the body are not allowed to be mounted and or connected to the suspension or a moveable part of the suspension.
- Technical limitations of the engines, height of exhaust port and/or timing, or limitation of heat length to control power.
- Tire choose procedures for manufacturers.
- Basic Electrical rules for GTE future, 4S or 6S and length of heats/finals, tire heating, overheating of motors/lipo packs!
- Body homologation procedures to go back to the blocs for future events.