



## TITC 2019 Technical Regulations

(May change without a notice)

- 1) TAMIYA Racing Truck Class
- 2) Touring Car "Non Boost" Class (17.5T)
- 3) Formula One Class (21.5T)
- 4) Touring Car Stock "Open B/L" 13.5 Class
- 5) Touring Car Modified Class
- 6) Mini Class (M07)

### TITC 2019 GENERAL REGULATIONS:

#### PERSONAL TRANSPONDER:

Organizers run an AMB Counting System compatible with both AMB square type Transponders and Personal Transponders.

**Drivers should go through inspection before each race.**

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#### Technical Regulation for "Non Boost" Classes:

Entry Fee: 3,000Baht (Include XeRun XR10 Justock ESC and Xerun Justock 3650SD G2 Motor)

IFMAR ISTC 1/10 EP Touring Car will be used for this event. The additional regulations are as following:

#### 1. BODYSHELL AND APPEARANCE:

##### 1.1 "No Boost" Class Bodyshell Appearance:

- Car bodyshell must be a licensed 1/10 "2 door type" version of the original Full Scale Manufacturer (Ferrari, Nissan, Audi, Honda, etc.) Expect Honda NSX before 2010 body, Ebbro35R and Ebbro 408R

- RC Bodies Manufacturers allowed for this class:

HPI, Tamiya, YOKOMO and ABC Hobby only.

- 190mm AND 200mm wide bodysHELLS are ALLOWED.

#### ALLOWED REAR WING:

- Original Wing.

- Ride DF-wing 27050

- BodysHELL maker optional wing.

- TAMIYA Hopup Option wing are allowed

- Ride "HD Rip" wing No: 27007.

- Ride High Down force Wing No: 27006.

HANDMADE WINGS ARE NOT ALLOWED.

1.2.1 - Tires, motor and battery cannot exceed the bodysHELL limits when viewed from above.

1.2.2 - The mirrors and windows must be left clear or smoke color.

1.2.3 - The bodysHELL must be painted.

1.2.4 - The Front and Rear lights of the car must be represented (by paint or supplied stickers).

1.2.5 - The standard body wings and spoilers can be used.

1.2.6 - Optional wings are allowed as long as they meet the dimension requirements.

1.2.7 - No extra holes are allowed on the whole bodyshell, exception for the following: antenna tube, body post/mount and transponder, which shall not be larger than 10mm in diameter.

1.2.8 - Dimensions: Maximum width without body 190mm.

Maximum width with body 200mm.

Maximum wheelbase 273mm.

Minimum Roof height 115mm

No Minimum ride height.

## 2. BUMPER

2.1 - Bumper use is up to the driver. However, use of bumper is safer.

2.2 - Front and rear bumper cannot exceed the overall body shell dimension.

## 3. WING

3.1 - Only one wing is allowed, fitted in the same place as the wing on the original car.

3.2 - The wing may overhang the rear of the body shell limit by 10 mm MAX.

3.3 - The height of the wing may be adjusted, but the wing including endplates must not extend higher than the roofline.

3.4 - Wing or spoiler can only be used on the rear of the car. (No front wing)

3.5 - One tab or gurney flap only is allowed which must be fitted securely to the rear wing, and must be contained within the wing dimensions.

3.6 - Wings/splitters/spoilers/tabs/gurney flaps must be fixed rigidly to the body and/or wing, and may not be moved while the car is in motion.

## 4. CHASSIS AND DRIVE TRAIN

- Only four (4) wheel drive transmission type is allowed for this event.

## 5. WEIGHT

- The weight of the car, ready to race including timing equipment (transponder), at any time of the race shall not be lower than: 1350g MINIMUM.

## 6. BATTERIES APPROVAL

6.1 - Maximum 6 cells 7.2V Sub-C NiCd/NiMH or Maximum 2 cells 7.4V-7.6V Lipo.

MAXIMUM VOLTAGE : **8,44 V** checked before Race.

6.2 - Batteries must be available in the market and have a recognizable brand name.

6.3 - Battery aids for servo can be installed but may not assist the driving system in any way at any time of the race.

6.4 - LiPo main batteries MUST be charged in a closed 'LiPo Safety Bag' at all times.

6.5 – Motor Hand out from organizer Xerun Justock 3650SD G2 17.5T Motor

6.6 ESC – Hand Out from Organizer XeRun XR10 Justock

6.7 No Modification Motor And ESC.

7. TIRES : **26021** Revolution (Re36) High grip belted tire with 16SP wheel and LT- Inner (Glued) **700 Baht**

ALL DRIVER MUST USE OFFICIAL MARKED and CONTROLLED TIRES FOR QUALIFY AND MAIN FINALS.

- Drivers can use any Ride Tires of the same type for open practice.

- The use of unmarked tires during qualifies and main finals will result in direct disqualification.

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## Technical Regulation for Formula 1 Class

Entry Fee:3,000Baht (Include XeRun XR10 Justock ESC and 1 tire set)

### BODYSHELL AND APPEARANCE

1.1 - Body must be a Formula 1 Type (single driver) which is 1/10th Scale and available on the market.

Group C type bodies are not allowed. Hand made wing is not allowed.

1.2 - Motor and battery cannot exceed the body shell limits when viewed from above.

1.3 - The body shell must be painted.

1.4 - The standard body wings and spoilers can be used.

1.5 - No extra holes are allowed on the whole body shell, exception for the following: antenna tube, body post/mount and transponder, which shall not be larger than 10mm in diameter.

### 2. CHASSIS & DRIVE TRAIN

2.1 - Rear 2WD chassis with direct drive or solid axle is allowed (pinion gears only – No belt drive).

2.2 - T-bar, link/tubes or independent rear suspensions are allowed.

### 3. FRONT AND REAR WING

3.1 - Only mold injected wings are allowed.  
Polycarbonate Front Wing is not allowed.

3.2 - Front Width shall not exceed 185 mm.

- Rear not over than inside of rear tire

### 4. BATTERIES APPROVAL

4.1 - Maximum 6 cells 7.2V Sub-C NiCd/NiMH or Maximum 2 cells 7.4V Lipo. MAXIMUM VOLTAGE : **8,44 V** checked before Race.

4.2 - Batteries must be available in the market and have a recognizable brand name.

4.3 - Battery aids for servo can be installed but may not assist the driving system in any way at any time of the race.

4.4 - LiPo main batteries MUST be charged in a closed 'LiPo Safety Bag' at all times.

### 5. MOTOR AND ESC

5.1 Motor Must be selected from sponsor products. Only 21.5T motor meeting the following values shall be used:

2,400KV, Max 1.5 Amp, Over 0.07Ω. + -5%

- **Out Law Motor from any brand are not Allowed.**

5.2 ESC: XeRun XR10 Justock ESC

### 6. WEIGHT and WIDTH:

- Minimum weight: 1050g.

- Maximum WIDTH: 198.5mm

7. WHEELS AND TIRES: **26040** New Formula Tire, **26042** New Formula Rear Tire.  
**600Baht**

(no modification allowed on wheels and/or tires. **500 Baht**)

7.1 - 1 Set of tires is included with the entry fee. Another set (with special ORGANISER MARK) will be given to A-Main drivers only.

Wheels:

- 2 different types of wheel: HPI Formula TEN and TAMIYA F 104.

- Kindly recheck and inform the Race Officials to get the type you need.

7.2 ALL DRIVER MUST USE OFFICIAL MARKED and CONTROLLED TIRES FOR

## QUALIFY AND MAIN FINALS.

- Drivers can use any Ride Tires of the same type for open practice.

- Use of unmarked tires during qualify and main final will result in direct disqualification.

## 8.GYRO is ALLOWED

## 8. 1-RACE INFORMATION

A Main final:

- Duration 15mm.

- A complete tire change (4 wheels) must be operated during the race:

- Drivers must go to pit for tire change within the 2-minute : from the 7th up to the 9th minute.

- There's no limit of time for tire change.

- Any driver coming to pit for tire change after the 9th minute mark will be disqualified.

- Electric wrenches or Electric screw drivers ARE NOT AUTHORIZED.

- Only 1 pitman per car is allowed to operate the tire change.

- Cars must run the ORGANIZER MARKED TIRES to finish the remaining time.

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## Technical Regulation Touring Car "Open B/L" Class

Entry Fee: 2,000Baht (Include 1 Tire set.)

IFMAR ISTC 1/10 EP Touring Car will be used for this event.

### 1. Bodyshell Appearance:

1.1 - Cars must be 1/10th scale Touring Car 4 doors, which are available on the market.

1.2 - No part of the chassis, including wheels/tires/motor/battery or electronic equipment may protrude outside the body shell limits when viewed from above.

1.3 - The standard body wings and spoilers can be used. Optional wings are allowed as long as they meet the requirements.

1.4 - On the body of the car no extra holes allowed, except the following: antenna pipe, body mount and transponder, which are not over 10mm in diameter.

1.5 - Dimensions: Maximum width without body 190mm.

Maximum width with body 200mm.

Maximum wheelbase 273mm.

Rear Wing should be lower than Roof Top

Rear Cutline should be cut by manual.

Wings not over 10mm than Rear body.

No Minimum ride height

### 2. Chassis and Drive Train

- Only four (4) wheel drive transmission type is allowed for this event.

### 3. Weight

- The weight of the car, ready to race including timing equipment (transponder) at any time of the race shall not be lower than: Minimum weight 1,350g

### 4. Wing

- See IFMAR ISTC 1/10th Touring Car Regulation for Wing and side Dams dimensions.

### 5. Batteries Approval

5.1 - Battery Max. 6 cells 7.2v Sub-C NiCad, NiMH or Lipo 2 cells 7.4-7.6v Hard Case.

- MAXIMUM VOLTAGE : 8,44 V Before Race.

5.2 - Batteries must be readily available in the market and have a recognizable brand name.

5.3 - Battery aids for servo can be installed, but may not assist the drive system in any way.

5.4 - LiPo drive batteries MUST be charged in a closed 'LiPo Safety Bag' at all times.

### 6. Motors

- Must be selected from sponsor products. Only 13.5T motor meeting the following values shall be used:

3,400KV, Max 2.5Amp, 0.03Ω + - 5%

- **Out Law Motor from Any brand are not Allowed.**

7. Tires: Sweep Racing EXP-36R2PG with TITC2019 Logo

**Maximum 3 sets for Qualify. Maximum 2 extra sets for Finals.**

(no modification allowed on wheels and/or tires)

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## Technical Regulation Touring Car **Modify Class**

Entry Fee: 2,500Baht

IFMAR ISTC 1/10 EP Touring Car will be used for this event.

1. Bodysell Appearance

1.1 - Cars must be 1/10th scale Touring Car 4 doors, which are available on the market.

1.2 - No part of the chassis, including wheels/tires/motor/battery or electronic equipment may protrude outside the body shell when viewed from above.

1.3 - The standard body wings and spoilers can be used. Optional wings are allowed as long as they meet the requirements.

1.4 - On the body of the car no extra holes allowed, except the following: antenna pipe, body mount and transponder, which are not over 10mm in diameter.

1.5 - Dimensions: Maximum width without body 190mm.

Maximum width with body 200mm.

Maximum wheelbase 273mm.

Rear Wins should be lower than Roof Top

Rear Outline should be cut by manual.

Wings not over 10mm than Rear body.

No Minimum ride height

2. Chassis and Drive Train

- Only four (4) wheel drive transmission type is allowed for this event.

3. Weight

- The weight of the car, ready to race including timing equipment (transponder) at any time of the race shall not be lower than: Minimum weight 1,350g

4. Wing

- See IFMAR ISTC 1/10th Touring Car Regulation for Wing and side Dams dimensions.

5. Batteries Approval

5.1 - Battery Max. 6 cells 7.2v Sub-C NiCad, NiMH or Lipo 2 cells 7.4v-7.6V Hard Case.

6. Tires: Sweep Racing EXP-36R2PG with TITC 2019 Logo

Tires marked with TITC 2019 logo can be used for the entire race:

**Unlimited quantity, self-management from open/free practice, control practice, qualify and mains.**

(no modification allowed on wheels and/or tires)

7. Motor:

Any motor from any brand available on the market is ALLOWED.

## Technical Regulation Tamiya Racing Truck Class

Entry Fee: 1,000Baht

1. Chassis                      Only Tamiya TT01 Racing Truck Kit are Allowed.
2. Body Shell                      Tamiya Racing Body shell,ABC Isuzu are allowed.No Modification for body.
3. Weight                      Minimum Weight 1,600g before the race.
4. Batteries Approval
  - 4.1 - Battery Max. 6 cells 7.2v Sub-C NiCad, NiMH or Lipo 2 cells 7.4–7.6V Hard Case.  
- MAXIMUM VOLTAGE : 8,44 V Before Race.
  - 4.2 - Batteries must be readily available in the market and have a recognizable brand name.
  - 4.3 - Battery aids for servo can be installed, but may not assist the drive system in any way.
  - 4.4 - LiPo drive batteries MUST be charged in a closed 'LiPo Safety Bag' at all times.
5. Tires                      Stock kit TAMIYA Racing Truck tires only. Inner Sponge is not Allowed. No Modification for tire and wheel.
6. ESC                      Only Tamiya ESC include the kit is allowed.(TBLE 02S)
7. Option Parts                      Only Hop-Up Option and spare parts for TT01 is allowed.  
Expect
  - All Tamiya oil damper are allowed.
  - All Tamiya springs are allowed.
  - Maximum allowed ratio 55T (Spur)/25T (Pinion) Only Tamiya Gear.
  - Optional Motor Fans/ Heat sink are allowed.
  - 50473, 53100 High Torque Servo Saver is allowed. Direct Servo horn is allowed.
  - Direct drive gear is not allowed.

Motor rules are as follows      Motor 540      Torque tuned Motor 54358

For Finals A Main

Motors are handed out in a raffle, meaning you will not receive the same motor at each race. Between races, we will check all used motors on a special motor tester guaranteeing that your motor has nearly same power as all the other motors. It is absolutely forbidden, to open the motors. Following the race the motors must be returned.

## Technical Regulation **Mini M-Chassis M07**

Entry Fee 1,000 Baht

1. **Only LF2200-6.6V Racing Pack (#55102) should be used. No modifications to the battery cables or connectors are allowed. Driver should prepare #55102 by himself because it is not handed out from the race organizer.**
  
1. **54612 15.5T Brushless Motor is allowed**
2. **Maximum Acceptable Motor KV (2,600KV)-Motor will be preset and tagged.**
3. **Minimum weight of car ready to run is 1,200g with a transponder.**
4. **For M07 chassis, up to 20T pinion gear (17T,18T, 19T,20T) can be used.**
  
5. **Each Driver should prepare his own private transponder**
6. **Only the following control tire sets can be used in this class.  
Ride Tire No:26300 Sc-36M Black – 700 Baht / 4 pcs.**
  
7. **No Allowed wings.**
8. **No modification to Ball Diff.**
9. **Front Locked Differential is NOT ALLOWED**
10. **ESC: Stock specific ESC that is not equipped with boost/ turbo function is allowed.**

**ESC with turbo/boost function switched off is not allowed.**

**Only sponsored brand for TITC are allowed.**

### 11. **Body**

**TAMIYA 51591 Mazda2**

**51545 Gopro Monster super swift**

**51583 Mazda MX-5**

**47309 Eunos Roadster**

