

# DUBUQUE FAIRGROUNDS RC RACEWAY DIRT TRACK 2018

## GENERAL RULES

- 1) NO illegal substances or alcoholic beverages are permitted at any DFRCR racing event.
- 2) Foul language, aggressive or abusive behavior will not be tolerated.
- 3) Remember this is supposed to be fun. **Physical contact/ Slandering of any kind may result in loss of all points and a 1 year suspension from date of infraction, from all DFRCR sanctioned events.**
- 4) Race director and/or computer operator and Drivers should not be distracted during races.
- 5) Race director reserves the right to "black flag" any drivers who are operating in a reckless or uncontrolled manner or that may constitute a hazard to other drivers in a race.
- 6) If you leave the driver's stand during a race, you should not return to the race. When exiting the driver's stand, no driver shall walk across the race track or in front of other drivers.
- 7) You must corner marshal the race following your race. If a substitute is needed due to physical or other reasons, it is your responsibility to arrange for a substitute.
- 8) Corner marshals must pay attention to their area and be ready to give assistance or remove cars from the track.
- 9) Corner marshals must remain near the track until the race is done.
- 10) Disputes will be resolved by the Race Director and/or Race Committee. All decisions are final.
- 11) All classes of racing, unless noted, will run a maximum of a 2 cell lipo battery in a hard case or max. 7 cell NiMH battery. Lipo batteries must not be charged above the ROAR charge limit of 4.22 per cell max. All battery packs should be charged inside a "LiPo Sack" or similar fire mitigation device proven to withstand a minimum of a 7.4v 10,000mah Lithium Polymer pack failing destructively without showing external flame. All Batteries must have a quick release plugin. 1/8 scale has a maximum of 3 cells lipo.
- 12) **"VIP"** stands for **V**oltage **I**nspection **P**ort. A **"VIP"** may be required in some classes. It is simply a servo extension cable with the male connector removed and is soldered to the positive and negative posts on esc or esc connector. The female end is then attached (shoe good) to the chasses in a position that is easy to access with the body on. The **"VIP"** purpose is for the ease of checking the pack voltage before a race, i.e. to check for overcharging of batteries. If battery is over charged (above 8.44) the car/truck will not race until its voltage is below the charge limit (i.e. voltage must show 8.43 or below) on whatever device (dvm, battery bug, ect.) the track is using to monitoring battery voltage with.
- 13) No hybrid or modified rotors in any brushed or brushless motors.
- 14) No mechanical, adjustable wings from radio, no front brakes allowed.
- 15) No drive assist / traction control systems. The Traxxas receiver #6533 (see picture below) is **NOT** legal for use ( i.e. can not be in your race car/truck) in any class of racing except **novice class** (i.e. gyros, TSM, or any drive assist systems, if built in to radio system it must be disable).
- 16) All racers must sign a liability waiver the first time they race each season and they will receive a set of track rules at that time. Racers under the age of 18 must have the waiver signed by a parent or guardian.
- 17) All cars should be numbered.
- 18) **\*\*3 FOOT RULE\*\*** All race cars/trucks must wipe excess tire compound/treatment off of their tires before entering race track. This is to ensure a equal racing surface for all classes. Any car that leaves a longer than a 3 FOOT wet track from tires will be DISQUALIFIED from that race.
- 19) **FOAM TIRES ARE NOT ALLOWED ON THE DIRT TRACK OR IN ANY CLASS OF RACING.**
- 20) Rules are subject to change.
- 21) If it doesn't say you can do it in the rules then you cannot do it.



not legal



legal

## COMPETITION AND PRIZES

DFRCR will sponsor individual race prizes, point series, and season championships to promote competition among participants. For a racing class to be eligible for series and season championships, at least five racers in each class must complete at least 2/3 of the available races in the series or season. Race Committee will designate the series and number of races within the series that will count towards prizes.

## RACE PROGRAM

- 1) All race day programs consist of two qualifiers and mains.
- 2) No substitute drivers in the mains.
- 3) You must race the car that you qualified with and start in the correct qualifying spot.
- 4) Minimum of (2) cars in a class. Race Director can combine classes of similar speed to maintain a smooth running program.
- 5) Drivers need to supply their own personal transponder. It is the drivers responsibility to check their transponder for proper functionality before races start.
- 6) Race Director / computer operator will not be responsible to hand count cars that do not pass the scoring loop.
- 7) Qualifiers will use a "rolling" or IFMAR start; Mains use a "rolling start" or standing start.

ALL 2WD CLASSES LISTED BELOW: All entries must be 2wd, rear wheel drive only unless the class calls for it to be a 4WD class. For turn marshal safety, all cars must have a front bumper that is made of a shock absorbing material. Front bumpers must be mounted in such a way that they will contact an object prior to any other portion of the car in a front impact. All late model, modified, and sprint car bodies and cages must resemble contemporary full scale cars racing in the "World of Outlaws", "IMCA" and "DIRT" sanctioned events. All corners of bodies and wings must be rounded for safety. No silicone or rubber capped tires are allowed.

## RACE CLASSES

### NOVICE

To promote participation of new drivers, rules for this class are intentionally unrestricted. Most electric powered RC car/truck will be allowed. Cars/trucks will be inspected prior to racing to prevent track damage. Heavy (monster trucks, etc.) vehicles with rubber tires and large lugs that are likely to roll over will not be allowed. Low wind modified motors are discouraged. Drivers who exhibit sufficient skill will be encouraged to join a more advanced class. All Novice races will be 4 minutes in length.

### 6.0 BREAKOUT

*THIS WILL BE A BREAKOUT LAP TIME CLASS*

*\*LAPS FASTER THAN 6.000 SECONDS WILL NOT BE COUNTED\**

- 1) CHASSIS - Any 1/10 scale production based 2wd/4wd chassis.
- 2) BODY - Any SC truck, rally, or car body is allowed. No extra wings, flaps or doohickeys can be added.
- 3) MOTOR - Any brushed or brushless motor allowed.
- 4) BATTERY - Up to a 2 cell LiPo hard case or max. 7 cell Nihm battery only. No hard wiring from the battery to the speed control. Must have a quick disconnect form battery.
- 5) ESC - Any commercially available ESC are allowed.
- 6) TIRES & WHEELS - Rubber street type tires are preferred. No pin tires. (Ask track owners about approved tire brands)
- 7) WEIGHT - No weight minimum required.
- 8) All races will be 4 minutes in length.
- 9) Maximum of 6 cars in A main. Must have (2) cars for class to run. Standing starts.

## SC LATE MODEL

- 1) Chassis - Any short course 2-wheel-drive truck tub chassis only. No aftermarket chassis.
  - a) Batteries must be in stock position (down the center of chassis ONLY).
  - b) Rear motor only.
  - c) Traxxas low-cg chassis may be used.
  - d) Original manufacturer chassis and suspension parts only (no RPM, no aluminum etc.).
  - e) Front bumper must not extend past or in front of car body. The front bumper may be used as front brace (flip bumper upside down -Traxxas slash) to support body; side "bumpers" may be removed. No alterations otherwise to chassis.
  - f) Must use Traxxas Slash "stock" shocks and, Traxxas Slash "stock" white springs only. i.e. It does not matter what manufacture type of truck you are running you must use the Traxxas Slash "stock" shocks and Traxxas Slash "stock" white springs, and in the appropriate place. (front on front, rear on rear)
  - g) Shock internal limiters may be installed. No front bump stops suspension. A single original blue bump stop can be used per rear shock (not mandatory).
- 2) Motor - Traxxas 12T Titan motor **only**. Labels on motor must be readable, No tape on labels or any signs of tampering with labels.
- 3) Battery - Any 2 cell Lipo **hard case only** with a capacity not greater than **5200MAH/50C**.
  - a) **Must have "VIP" installed (see general rules)** ROAR charge limits of 8.44 volts. Must used quick disconnect connector (NO hard wiring).
  - b) Labels on battery must be readable, No tape on batteries labels or any signs of tampering with labels. No bare wires, wires must be covered.
- 4) Tires/wheels - Traxxas **Anaconda tires** 2.8 dia. tires only. (no 2.2 dia. tires.)
  - a) No grooving or sipping of the rubber tires.
- 5) ESC - Traxxas XL-3 or XL-5
- 6) Gearing - No gear rule
- 7) Body - Molded (1) - piece Late Model Bodies only, No additional wings, flaps, spoilers, wickers, vents or air devices allowed, Decking is not allowed, No metal bumpers or body parts.
- 8) Rear Spoiler- Rear spoiler can only be as wide as the body at the rear quarter panels, Rear spoiler 3" max from deck. The end caps must be a triangle shape. You may have one fin on the spoiler and two side caps. The third fin must also be the same dimension as side cap. Third fin may located anywhere on the spoiler between the two side caps. The fin must be in line with the side caps on the front leading edge.

## SC MOD

- 1) CHASSIS - Open to stock 2wd short course truck chassis below are some examples but not limited too.

|                                    |                   |                  |
|------------------------------------|-------------------|------------------|
| *Team Associated SC10 all versions | *Team Losi XXXSCT | *Team Losi 22sct |
| *HPI Blitz                         | *Kyosho SCR       | *Venom Gambler   |
| *Traxxas Slash                     | * Durango DESC210 |                  |

  - a) Main tub or frame must be stock to the brand of truck being raced. No offset or LTO chassis will be allowed.
  - b) Aftermarket chassis allowed I.E. carbon fiber, aluminum, ect..
  - c) Batteries must be in stock position (down the center of chassis ONLY).
  - d) Electronics can be mounted on the left side of chassis.
  - e) Up to 2oz can be added to the left side.
- 2) BODY – Only modified style bodies allowed. No truck bodies will be allowed.
  - a) A front and rear bumper may be add to make the appearance more realistic.
  - b) Aftermarket pieces will be allowed for bumpers and body mounting.
- 3) MOTOR – Open Motor.
- 4) BATTERY – Any 2 cell max., 7.4V Lipo hard cased battery only.
  - a) **Must have "VIP" installed (see general rules).**
- 5) ESC – Open speed control.
- 6) TIRES & WHEELS - Any rubber tire. Must be Non aggressive street tread or slick type tires. No pin tires.
- 7) WEIGHT – No weight minimum required.

## SC B MOD

- 1) CHASSIS - Open to stock 2wd short course rear motor truck chassis only.
  - a) Main tub or frame must be stock to the brand of truck being raced. No offset or LTO chassis will be allowed.
  - b) No aftermarket chassis allowed I.E. carbon fiber, aluminum, ect.
  - c) Traxxas low-cg chassis may be used.
  - d) Batteries must be in stock position (down the center of chassis ONLY).
  - e) Electronics can be mounted on the left side of chassis.
  - f) Up to 2oz can be added to the left side.
- 2) BODY – Only modified style bodies allowed. No truck bodies will be allowed.
  - a) A front and rear bumper may be add to make the appearance more realistic.
  - b) Aftermarket pieces will be allowed for bumpers and body mounting.
- 1) MOTOR – any sensored 13.5 ROAR APPROVED 2 pole motors only. There will be a \$50.00 motor claim. All claims can only be done at the end of the A-main race. Only drivers in the SC B Mod class that race in that day's event are eligible to make said claim. All claims must be conducted through the race committee. All claims must be cash only. If the driver that is getting claimed refuses the claim they will be DISQUALIFIED from that race event and will not receive season points for that day.
- 3) BATTERY - Any 2 cell Lipo **hard case only** with a capacity not greater than **5200MAH/50C**.
  - a) **Must have "VIP" installed (see general rules)** ROAR charge limits of 8.44 volts. Must use quick disconnect connector (NO hard wiring).
  - b) Labels on battery must be readable, No tape on batteries labels or any signs of tampering with labels. No bare wires, wires must be covered.
- 4) ESC – Any Sportsman ESC or ESC in a sportsman setting is allowed. (Blinky Mode)
- 5) TIRES & WHEELS - SC truck 2.2"/3" tires and wheels. The only exception is the Traxxas **Anaconda tires** 2.8 dia. tires and wheels. (no 2.2 dia. tires or wheels.). Must be rubber non aggressive street tread or slick type tires. No pin tires.
- 6) WEIGHT – No weight minimum required.

## REVO CLASSES

*THIS WILL BE A BREAKOUT LAP TIME CLASS*

*\*LAPS FASTER THAN 6.000 SECONDS WILL NOT BE COUNTED\**

- 1) CHASSIS - Must be a 1/16<sup>th</sup> scale production based 4wd e-revo.
- 2) BODY – Stock body
  - a) All bodies must be approved by race committee, if not using stock body.
  - b) No extra wings, flaps or doohickies can be added.
- 3) MOTOR – Must use Stock Motor ONLY.
- 4) BATTERY – Any 2 cell 7.4v lipo 2200 mah max. or 6cell nimh battery 2200 mah max.
  - a) Battery label must be intact for verification reasons. Must have a quick disconnect form battery.
- 5) ESC - use Stock ESC ONLY.
- 6) TIRES & WHEELS - Must be approved tires only. (Ask track owners about approved tire brands)
- 7) WEIGHT – No weight minimum required.
  - a) Revo races will be 4 minutes in length.
  - b) Maximum of 6 cars in A main. Must have (2) cars for class to run. Rolling starts.

### NOTE:

- 1) No offsetting a-arms or narrowing of a-arms.
- 2) Springs may be changed. Shock oil may be changed.
- 3) All tie rods & ball ends may be upgraded.
- 4) Aftermarket a-arms and axle carriers are legal.
- 5) *Any and all changes to the truck chassis are allowed.*
- 6) *All changes must be of a aftermarket/upgrade direct replacement part for the 1/16 e-revo.*
- 7) *No home-made parts are allowed unless approved by race committee.*
- 8) *The only parts that must remain stock are the motor, esc, and wheel hubs. Wheel hubs maybe replaced but must be stock in size and length. I.E. No offset hubs.*

## **DLMRA - 1/8 MOD ELECTRIC LATE MODEL**

### **Section 1: Chassis**

- 1-1 Must be 1/8 production based 4 WD buggy drive train. (Losi ,Ofna, X-Ray and so on)
- 1-2 No offsetting a-arms or narrowing of a-arms.
- 1-3 Must have dog bone center drive train, no on-road drive trains.
- 1-4 No interchanging of manufactures drive train parts. (Losi must use Losi drive train and so on)
- 1-5 No third channel devices (no one wheel brakes, wing adjustments and so on)
- 1-5 Wheel base: 12 5/8" to 13".
- 1-6 Width: 13" max. - 11 1/4" min.
- 1-7 Any and all parts must be flush or inside the tread width. 1/8 tolerance.
- 1-8 All chassis and tires must remain inside the body.
- 1-9 No metal or carbon fiber front bumpers.
- 1-10 Must have foam on the front bumper.

### **Section 2: Motors, Batteries & Speedo**

- 2-1 2250 KV or less brushless motor. 4 pole or less  
Motor must have factory marked KV rating on can/ endbell.
- 2-2 Open Speedo.
- 2-3 Any hard case 3 cell lipo.  
Must have hobby grade connector!  
Must be hard case lipo's! Covers/ cases over soft cell packs accepted.  
ROAR charge limit! 4.22 per cell max.

### **Section 3: Bodies**

- 3-1 Molded one-piece bodies are preferred.
- 3-2 No additional wings, flaps, spoilers, wickers, vents or doohickeys will be allowed except what's in sections 4 & 5.
- 3-3 A hole or holes for motor cooling.
- 3-4 Decking is allowed.
- 3-5 There will be no metal body parts of any kind.
- 3-6 All bodies must be approved.

### **Section 4: Side Dam specs**

- 4-1 Side dam are NOT Allowed

### **Section 5: Rear Spoiler Specs**

- 5-1 Rear spoiler can only be as wide as the body at the rear quarter panels.
- 5-2 Rear spoiler 3" max from deck.
- 5-3 The end caps must be a triangle shape. ([See template](#))  
You may have one fin on the spoiler and two side caps. The third fin must also be the same dimension as side cap.  
It can be located anywhere on the spoiler between the two side caps. The fin must be in line with the side caps on the front leading edge.

### **Section 6: Wheel & Tire Specs**

- 6-1 Tracks choice on which tires are legal (Foam or Rubber)
- 6-2 All wheels must be 17mm buggy based.
- Spec rubber tires:**
- 6-4 There will not be any grooving or sipping of the rubber tires.
- 6-5 Any street tread type 1/8 rubber tire.
- 6-6 Traction compounds are legal.

### **Section 7: Weight**

- 7-1 8 lb Minimum, 11 lb Maximum.

### **Section 8: Tracks**

- 8-1 The track has final say on rules enforcement!

**See DLMRA at [ottsspeedshop.com](http://ottsspeedshop.com) for any other Late Model rules**

### 360 SPRINTS

- 1) DODC.com Sprint Car chassis, body & wing rules apply.
- 2) MOTOR – 17.5 Stock motor rules. ROAR APPROVED 2 pole motors only.
- 3) BATTERY – Any 2 cell max., 7.4V Lipo battery hard cased battery.  
a) **Must have "VIP" installed (see general rules)**
- 4) ESC - Any Sportsman ESC or ESC in a sportsman setting is allowed. (Blinky Mode)
- 5) TIRES & WHEELS - Any "Custom Works" rubber tire that fits within the DODC rules for Rubber Tires.
- 6) WEIGHT – 57 oz. minimum with transponder before or after the race.
- 7) Small front wing (8 sq in.) is allowed. 6" x 6" Top Wing is the maximum size allowed.
- 8) See DODC.com for any other Sprint Car rules.

### OTHER CLASSES

(4) or more drivers may create a new class of racing if their cars do not fit in an existing DFRCR track class. Other classes may be proposed if 4 or more drivers want to race in a new class. All new classes will only be eligible for season point racing after a class name and rules have been developed and approved by the DFRCR Board of Directors. Cars/trucks running in a new class must have approved tires and chassis may not have protruding screws or sharp edges that may damage the track. Check our Web Site ([www.DFRCR.com](http://www.DFRCR.com)) for latest rule updates. Revised: March 24, 2018

---

This area is for anyone to use to suggest a new class to DFRCR and list all of the rules for that class.

Class name: \_\_\_\_\_

Name: \_\_\_\_\_  
(SPOKESPERSON FOR THE CLASS)

Class rules:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed: \_\_\_\_\_ DATE \_\_\_\_\_

Signed: \_\_\_\_\_ DATE \_\_\_\_\_

Signed: \_\_\_\_\_ DATE \_\_\_\_\_

Signed: \_\_\_\_\_ DATE \_\_\_\_\_

Signed: \_\_\_\_\_ DATE \_\_\_\_\_  
(Signature from DFRCR)