



2009 Sporting Regulations

Ver 1.0 (06-11-09)

A. DEFINITIONS

Series Definition

a.1. The GCR is a series of races in which Open Class cars pull trailers of various design.

Eligible Vehicles/Trailers

a.2. Any 1:28-1:24 scale car or truck, subject to Technical Regulations (Sec D).

a.3. Each driver must provide a trailer subject to Technical Regulations (Sec E).

B. RACE EVENT

Scrutineering

b.1. Trailers must be provided to the inspector for Scrutineering prior to the race.

Haul I

b.2. Cars grid in random order. Haul I shall be thirty minutes in duration.

Haul II

b.3. Cars grid in the finish order from Haul I.

b.4. Trailers are swapped in reverse order (last place trailer is hitched to the P1 car and the P1 trailer is hitched to the last place car).

b.5. Haul II shall be twenty minutes in duration.

Haul III

b.6. Cars grid in the finish order from Haul II. Trailers are swapped in reverse order as in b.4. Haul III shall be ten minutes in duration.

Black Flag

b.5. Laps only count if the main structure of the trailer is attached to its chassis and being towed by the assigned car.

C. SCORING

c.1. Points are awarded equal to the number of laps completed.

Bonus Points

c.2 A Bonus Point is awarded to the driver setting the fastest lap of a Haul, and to each driver that lead a lap in a Haul.

Fastest lap = 1 point

Lead a lap = 1 point (max 1pt per Haul)

c.3. If multiple Heats are run, determine points as though all cars ran together based on lap data.

Judges Points

c.4. Prior to Haul I, trailers shall be displayed for review and voting. Drivers may not vote for their own vehicles.

c.5. The categories shall be:

Best Design- Engineering, innovation, functionality, durability.

Best Presentation- Aesthetics, details, graphics, style.

Spirit of the Rally- Creativity, over-the-top, imaginative, fun.

c.6. Votes shall be tallied after Haul III. The driver with the most votes in a category is awarded 1 bonus point. In case of a tie, all drivers with equal votes are awarded points.

Classification

c.7. Points, bonus points, and judges points are totaled to determine final classifications.

c.8. In case of a tie, the position is awarded to the driver with the most wins. If no wins are scored, or drivers have the same number of wins, the position goes to the higher finisher from Haul III.

D. TECHNICAL REGS - VEHICLE

Chassis

d.1. Any 1:28-1:24 scale chassis.

Electronics

d.2. Any electronics are permitted.

d.3 Any legal Tx/Rx is permitted.

Motor

d.4. Any motor may be used.

Body

d.5. 1:28-1:24 scale of any material.

d.6. Anti-rail-snagging bumpers may be added but must be fixed. No moving parts.

Tires

d.7. Any rubber, silicon, or foam tire.

d.8. No traction compounds. Tire warmers are allowed. 70% alcohol or water for cleaning.

Batteries

d.9. Any power source carried on-board the vehicle, not the trailer.

Safety

d.10 No element may protrude which may damage the track or affect a competitor.

Tow Hitch

d.11. Any design that will attach and detach easily from the specifications of Diagram B.

E. TECHNICAL REGS - TRAILER

Chassis/Suspension/Body

e.1. Any material. The trailer must roll freely, no dragging elements such as skids.

e.2. The build must be reasonably sturdy to not come apart from normal racing contact.

Trailer Hitch

e.3. The hitch must meet the standardized specifications of Diagram B.

Dimensions

e.4. The body must meet the minimum dimensions, excluding parts such as propane tanks or fenders. All parts must be within the maximum dimensions (dia A). The widest point of the body must be at least 40mm above ground level.

Width: 65mm-85mm

Length: 150mm-250mm

Height: 70mm-100mm (from ground, incl. tires)

Widest Point: 40mm (from ground, incl. tires)

e.5. The structure must be reasonably enclosed. No wide-set frame rails with empty space between for example (dia C).

Weight

e.6. Maximum 50g.

Tires

e.7. Any material tire/wheel.

e.8. Maximum traction patch shall be 11mm

e.9. No traction compounds. Tire warmers are allowed. 70% alcohol or water for cleaning.

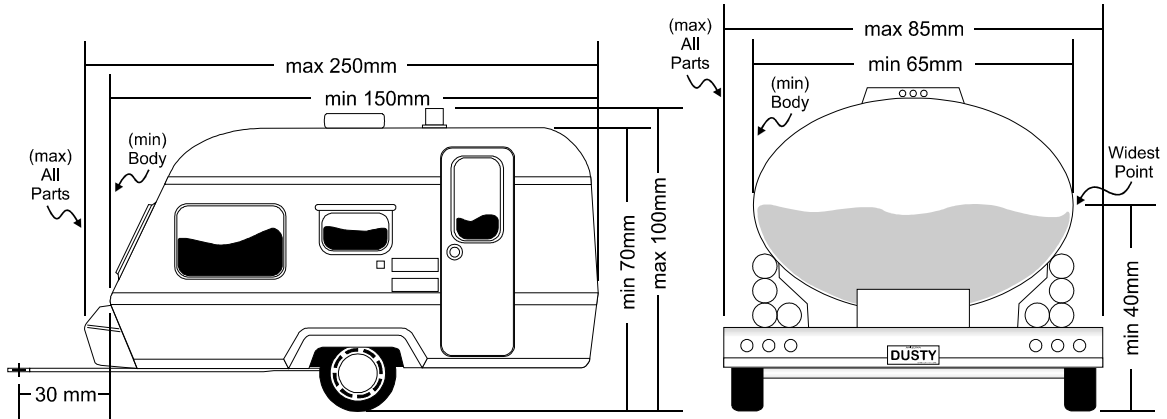
Safety

e.10. No element may protrude which may damage the track or affect a competitor.

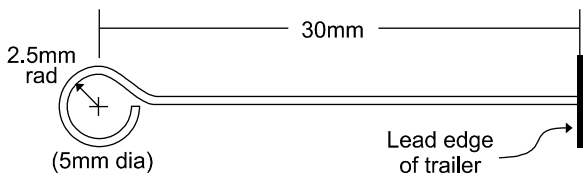
e.11. A trailer shall be disqualified if there is a reasonable danger hauling it would damage a stock legacy PCB with single-stack 3004 FETs.

F. DIAGRAMS

Dia A: Dimensions



Dia B: Trailer Hitch



Dia C: Illegal Gaps

