



Melbourne Comp Crawlers Ruleset for Local Events

Adapted from Official World Radio Controlled Crawler Association Rules 2024-2025

Introduction

This rulebook defines the World Radio Controlled Crawler Association events that are hosted throughout the world. Vehicles, scoring, and classes are included to give event coordinators and attendees common rules.

This document is adapted from the official WRCCA document for use by Melbourne Comp Crawlers (Australia), a friendly hobbyist group with no affiliation with the WRCCA organisation beyond undertaking friendly cooperation and alignment of running of local events with official WRCCA events. No rules have been modified but this document may be out of date. For events other than unofficial MCC events, consider obtaining the latest copy of the official WRCCA ruleset document instead.

Refer to the original WRCCA document for latest official ruleset updates:
<https://www.facebook.com/RCCrawlingAssociation/>

Description of Events

The objective of an event is to provide an enjoyable gathering for Radio Controlled Crawler enthusiasts. Events can range from social to competitive in nature, and include a wide range of vehicle and challenge types.

SECTION 1: Professional Scoring Penalties

1.1 - Points:

- Reverse: 1 point
- Gate Marker: 10 points
- Rollover: 5 points
- Boundary Marker: 10 points
- Vehicle Touch (Repair & Repositions): 10 points
- Course Direction: 10 points

1.2 - Back Up/ Reverse: (1 pt) Point is given when a vehicle reverses course after making forward progress. Reversing is defined as any of the tires moving in the reverse direction, whether engaged or in freewheel and/or whether intentional or not. Once a reverse penalty is given, no further reverse penalty can be given until the vehicle makes forward progress. No penalty is given if the backward movement occurs while the vehicle is in the rollover position. (See **Sec. 6 Rollover Position**) If a driver begins a course in reverse, a reverse penalty will occur immediately. (See **Sec. 7 Reverse Examples and Explanations**)

1.3 - Rollover: (5 pts) Points are given when vehicles rollover, and cannot be corrected without touching. Once the vehicle has stopped it may be rolled over and the 5-point penalty shall be given. Vehicles that land back on their wheels are not penalized. No reverse penalties are given until the vehicle is up righted and back on all 4 tires. Drivers must execute a legal roll over recovery, or they will be given a reposition penalty. (See **Sec. 6 Legal Rollover**)

1.4 - Vehicle Reposition Touch: (10 pts) All vehicle touches excluding “Rollovers” (See **Sec.1 Rollover Rule**) and “Warp Box touches” (See **Warp Box System, Sec 4.11**) are given an automatic 10 points. The judge will stop time when the driver requests a vehicle touch or the judge calls a touch penalty. The vehicle is then moved by the driver to the previously cleared gate with the rear axle aligned to that gate. If the vehicle cannot be aligned to the gate due to course design, the judge will reposition the vehicle to the next stable location after the cleared gate. This location will be used for all drivers. Note: All gates for progress are still “live” unless a gate has already been deemed “dead”.

1.4.1 - Vehicle Touches: Include but are not limited to: repairs, repositions, and intentional touching of the rig by the driver. Touch penalty will occur if the driver interacts with intent to cause advantage or control a falling vehicle.

Special considerations: Driver safety is most important and touch penalties should not accumulate from accidental interaction. When vehicle and driver make accidental contact, the judge or driver(s) assisting scoring shall stop time and determine if standard reposition should occur to prevent advantage, or if driver can continue without further interaction.

Example 1: Vehicle falls and hits driver, coming to rest on the driver's foot. Judges stop time, and call for a no-penalty reposition, as the driver could gain course advantage by continuing to drive over the foot. If the driver ignores reposition and drives over foot, it becomes an event rule violation of course modification and the driver is disqualified.

Example 2: Driver stumbles and steps on vehicle. Judges stop time to ensure the driver has stable footing, and to assess vehicle position. No advantage is seen, so time starts and the driver resumes without reposition.

Example 3: Vehicle falls and hits driver, coming to rest further downhill. Judges stop time and assess that no advantage was made from the fall, so time restarts and driver resumes.

1.4.2 - On Course Repairs: Must be completed on course and in the spot of which the driver decided to take the repair. Repairs must be made within the course time, while the course timer will continue to run. Once repairs are completed, the timer is stopped and the vehicle is repositioned to the previous gate cleared. If repairs cannot be made within the course time, the driver is given a DNF minus progress points for that course. There are no restrictions on whom or how the repairs are made.

1.4.3 - Off course repairs (Optional): A driver can call time to make an off-course repair at events where deemed acceptable. Repairs should be completed within 30 minutes, or the driver is given a DNF minus progress points. If the repair is made in the allotted time the driver must return to the last previous gate cleared. A 1 minute time penalty will be subtracted from the time that is left on that course, the timer will continue once the vehicle makes forward progress.

1.4.4 - Vehicle Out of Spec: If the Judge has reason to believe a vehicle is out of spec during a course run, he may call time to stop. At that point, no additional inputs may be given by the driver to the vehicle via touch or radio control. The Judge must mark the vehicle's location and perform a tech inspection in the specified tech area (same manner as all other tech inspections). If the vehicle has been deemed within spec, the driver and vehicle will return to the location marked by the judge and the clock will start once again. If the vehicle is now out of spec and the Judge has determined that the vehicle has gained an advantage, the driver must take a repair (see **rule 1.4.2 or 1.4.3** at event organizers' discretion) to correct the problem. If the problem cannot be corrected to bring the vehicle back within spec, the driver will receive a DNF for that course (see **rule 1.8**). If a vehicle falls out of spec due to breakage on course and the Judge determines the driver has not gained an advantage, then the driver may be allowed to continue on course without stopping time and requiring a tech inspection. Bodies are not included in this exception, and must be replaced immediately, standard repair procedures and penalties apply.

1.5 - Gate Marker (10 pts each): Each gate will be composed of 2 gate markers. Points are given when 4 wheels do not travel between gate markers or any part of the vehicle touches a gate marker. A gate marker will remain "live" for the entire duration of the attempt on the course. Gate markers that are moved by anything other than the vehicle's actions will be replaced immediately before the driver is allowed to continue. Once any gate marker has been touched by the vehicle, no more penalties will be given for that gate marker. Only when a gate penalty is assessed will that gate marker be deemed "dead". No further penalties will be assessed at this point for that gate marker. (See **Sec.7 Gate Marker and Gate Clearing explanations.**)

1.6 - Boundary Marker (10 pts each): Points are given when any part of the vehicle touches a boundary marker. Once a boundary marker is touched the judge then will stop time, and the vehicle is then moved back by the driver to the previously cleared gate with the rear axle aligned to that gate. If the vehicle cannot be aligned to the gate due to course design, the judge will reposition the vehicle to the next stable location after the cleared gate. This location will be used for all drivers. A boundary marker will remain live (and will be replaced immediately if moved.) for the entire duration of the attempt on the course, and if they are moved out of position they will be replaced immediately before the driver is allowed to continue. Boundary markers are not required in the design of a course.

1.7 - Maximum Penalty Points:

- **1.7.1** - The maximum points per course is 40 (Optional). At that time, the driver is given a DNF and the run is complete and the vehicle should be removed from the course. This is aka. 'pointing out'.
- **1.7.2** - The maximum points per gate is 20. (Optional) Once a driver has reached the maximum of 20-penalty points for that gate they will be placed with the rear axle aligned to that gate's exit. If the vehicle cannot be aligned to the gate due to course design, the judge will reposition the vehicle to the next stable location after the cleared gate. No progress points are given for the gates not cleared.

1.8 - DNF (Did Not Finish) (40 pts): Are given anytime a driver cannot complete a course for any reason. (Time expired, Point-Out, Vehicle not Repairable, etc) Progress points are awarded for each gate completed.

1.9 - DNS (Did Not Start) (50 pts): Are given anytime a driver cannot start a course for any reason. Vehicle must start the course under its own power.

1.10 - Gate Progression (-2 progress point): Shall be awarded to drivers for each gate after it has been cleared during the attempt of a course.

All gate penalties are assessed and given before a progress bonus is awarded. Progress is awarded when, during the same attempt and in the intended course direction, at least one front and one rear tire passes completely through the gate.

To receive the progress bonus without a gate penalty, all four tires must pass completely through the gate during the same attempt and in the intended course direction (See *Illustration A*). Progress points are deducted from the total course score.

Once a driver has pointed out (exceeded maximum course penalties), no further Progress points will be awarded. (See 1.5 for examples of **Gate Penalties**. See 7.2 for **Clearing of Gate Examples**)

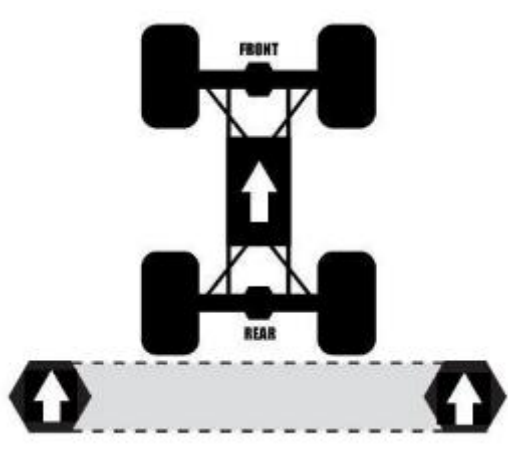


Illustration A

1.11 - Timer Pause: A driver may call for time to stop so that he or she may safely reposition themselves on the course. This time shall be used for the purpose of driver safety and may not be used to survey the course or for any other advantage, the judge has the right to restart time at any point. Most typically, the timer will resume when the competitor resumes driving or touches his or her car (for a roll over). A judge may also call a stop of time to reposition themselves to make a more accurate call on a penalty, drivers may also request a stop of time for this same reason.

Example: “Stop time. Hey Judge, I’m going to approach this gate from this direction and want to make sure you have a good view of my car, do you want to reposition?”

1.12 - Course Direction (10 pts): Gates must be cleared in their intended direction and sequence. If the vehicle progresses an un-cleared gate in the wrong direction, or out of sequence will result in a 10-point penalty and the judge will stop time. (Progress is at least one front and one rear tire needs to be completely through the gate). The vehicle is then moved back by the driver to the previously cleared gate with the rear axle aligned to that gate. If the vehicle cannot be aligned to the gate due to course design, the judge will reposition the vehicle to the next stable location after the cleared gate. This location will be used for all drivers. Once progress is awarded for a specific gate, it can be passed through in any sequence or direction.

SECTION 2: Vehicle Requirements

2.1 - General: (Excluding Performance Scale Class which is written on section 2.6 forwards)

- **2.1.1** - Vehicles are limited to 4-wheeled vehicles only, unless special exemption is given to the class. These 4 wheels can be the only source of propulsion for the vehicle.
- **2.1.2** - All vehicle specifications regardless of class, body or bodiless the measurements are to be taken in the vehicle's ready to run condition while sitting on a flat surface (i.e. tech table).
- **2.1.3** - Wheelbase is measuring from centreline of front axle stub to centreline of rear axle stub.(See Section 6 Wheelbase)
- **2.1.4** - The vehicle's roof must be raised a minimum of 1"/25.4mm. from the main chassis to resemble a cockpit. The frame sides must be an overall minimum of 1"/25.4mm tall (The cockpit & frame side are to be measured vertically from where the hood intersects the cab).
- **2.1.5** - Vehicles should resemble a 1:1 vehicle.
- **2.1.6** - Shocks and fasteners (nuts, bolts, washers, or spacers) shall not be included in the measurements of the vehicle.
- **2.1.7** - Vehicles body/ bodiless measurements must reach a minimum of (A) width, (B) length, and (C) height. Measurements may include, but not limited to bumpers, stingers, frame-rails, side-rails, skid plates, roof, hood, and side panels. See Illustration B.

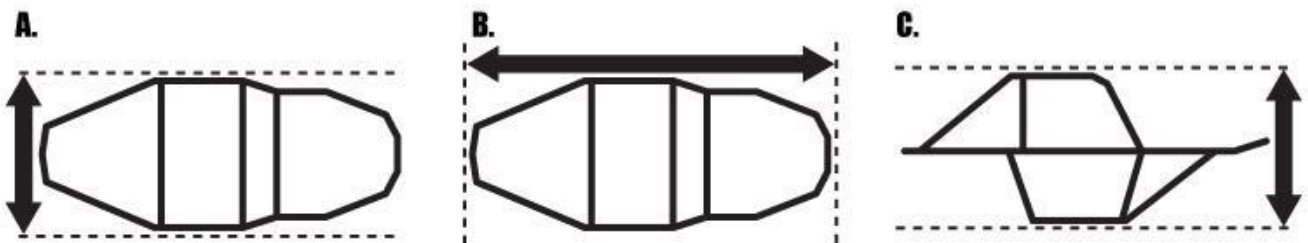


Illustration B.

- **2.1.8** - Winching down of the axles is allowed. The winch line must be attached within a 1/2"/12.7mm of the center of the axle, and by a single attachment point only.
- **2.1.9** - There are no limitations on the amount of radio channels used on a vehicle, unless specified in the class rules.

Measurement methods:

- Vehicle wheelbase is determined by the distance between the axle shafts in a resting position. At no point during articulation of the suspension must the wheelbase exceed the specific class's maximum amount.

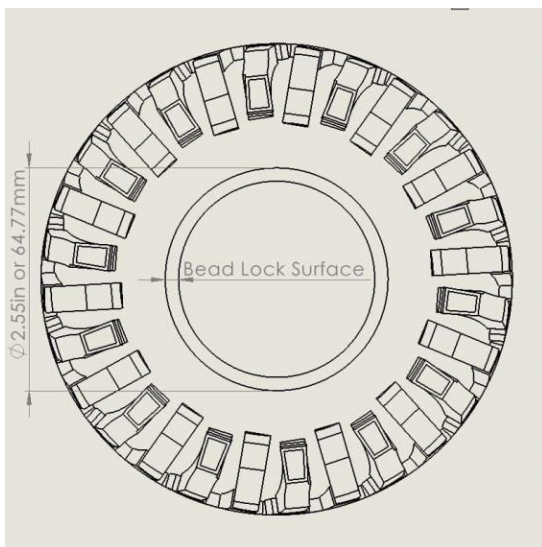
Classes

2.2 - Super

- **2.2.1** - Vehicle wheelbase is limited to a minimum of 16"/406.4mm and a maximum of 18"/457.2mm.
- **2.2.2** - No limits to steering configuration.
- **2.2.3** - Wheel/ rim is limited to a minimum 3.2"/81.28mm or larger at the bead surface. Wheels may be modified provided that the tire bead surface is not less than 3.2"/81.28mm in diameter.
- **2.2.4** - Tires may be modified from other size tires using only pliable rubber.
- **2.2.5** - Vehicle body/ bodiless measurements must be greater than or equal to 12"/304.8mm overall length, 3"/76.2mm overall width and 3"/76.2mm overall height.

2.3 - Pro (aka. 'Pro/MOA')

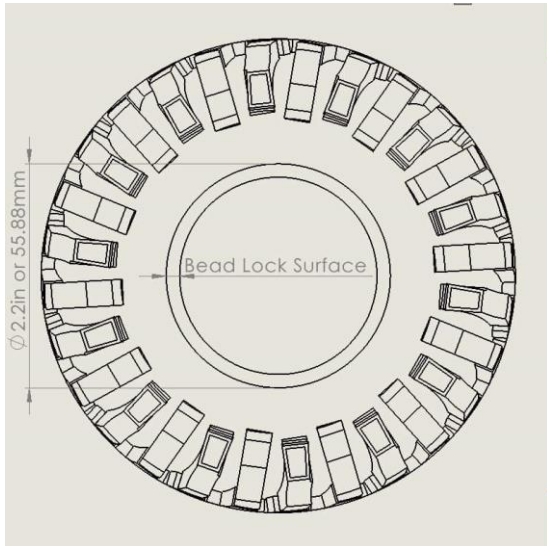
- **2.3.1** - Vehicle wheelbase is limited to a maximum of 12.5"/317.5mm.
- **2.3.2** - With a tire mounted, no exterior component of the wheel, including but not limited to the bead lock ring shall exceed 2.55"/64.77mm. If a bead lock ring is not present, the bead lock surface of the tire should not exceed 2.55"/64.77mm in diameter, and the tire bead lock should remain as stock size.



- **2.3.3** - Tires may be modified from other size tires using only pliable rubber but must not exceed a total uncompressed outer diameter of 6"/152.4mm.
- **2.3.4** - Vehicles are limited to 2-wheel steering only.
- **2.3.5** - Vehicle body/ bodiless measurements must be greater than or equal to 8"/203.2mm overall length, 3"/76.2mm overall width and 3"/76.2mm overall height.
- **2.3.6** - Limited to two motors.

2.4 – Mini

- **2.4.1** - Vehicle wheelbase is limited to a maximum of 9"/228.6mm.
- **2.4.2** - With a tire mounted, no exterior component of the wheel, including but not limited to the bead lock ring shall exceed 2.2"/55.88mm. If a bead lock ring is not present, the bead lock surface of the tire should not exceed 2.2"/55.88mm in diameter, and the tire bead lock should remain as stock size.

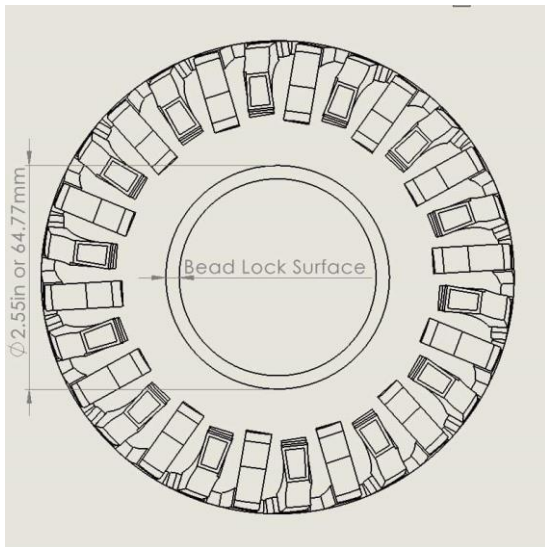


- **2.4.3** - Tires may be modified from other size tires using only pliable rubber but must not exceed a total uncompressed outer diameter of 4.95"/125.73mm.
- **2.4.4** - Vehicles are limited to 2-wheel steering on the front axle only.
- **2.4.5** - Vehicles are limited to the use of 2 channels radio control (one for steering & one for throttle) only. Neither channel can be used to perform more than one function. Radio systems with more than 2 channels are allowed but only 2 channels can be used to control the vehicle.
- **2.4.6** - Vehicles are limited to 1 ESC & 1 servo only.
- **2.4.7** - Vehicles are limited to 1 motor powering both of the axles.
- **2.4.8** - No driver-controlled devices, other than steering and throttle control, will be allowed. Independent throttle control to the front or rear axles ("burn" or "dig"), winching down the axles, and forced articulation are not allowed in this class.
- **2.4.9** - Vehicle body/ bodiless measurements must be greater than or equal to:
 - Overall Length: 6.75"/171.54mm
 - Overall Width: 2.5"/63.5mm
 - Overall Height: 2.75"/69.85mm
- **2.4.10** - Motor must be chassis-mounted. Motor mount cannot be part of or directly coupled to an axle.
- **2.4.11** - It is required to have a minimum of 3 suspension links between skid plate/chassis and the front axle and a minimum of 3 suspension links between skid plate/chassis and the rear axle. These links and the suspension shocks can be the only connection points between chassis and the axles. Chassis mounted

servo cars can have an additional drag link between servo horn and knuckle/tie rod. (See Section 6 - A suspension link, control link or link)

2.5 – Sportsman (aka. Shafty/Sporty)

- **2.5.1** - Vehicle wheelbase is limited to a maximum of 12.5"/317.5mm.
- **2.5.2** - With a tire mounted, no exterior component of the wheel, including but not limited to the bead lock ring shall exceed 2.55"/64.77mm. If a bead lock ring is not present, the bead lock surface of the tire should not exceed 2.55"/64.77mm in diameter, and the tire bead lock should remain as stock size.



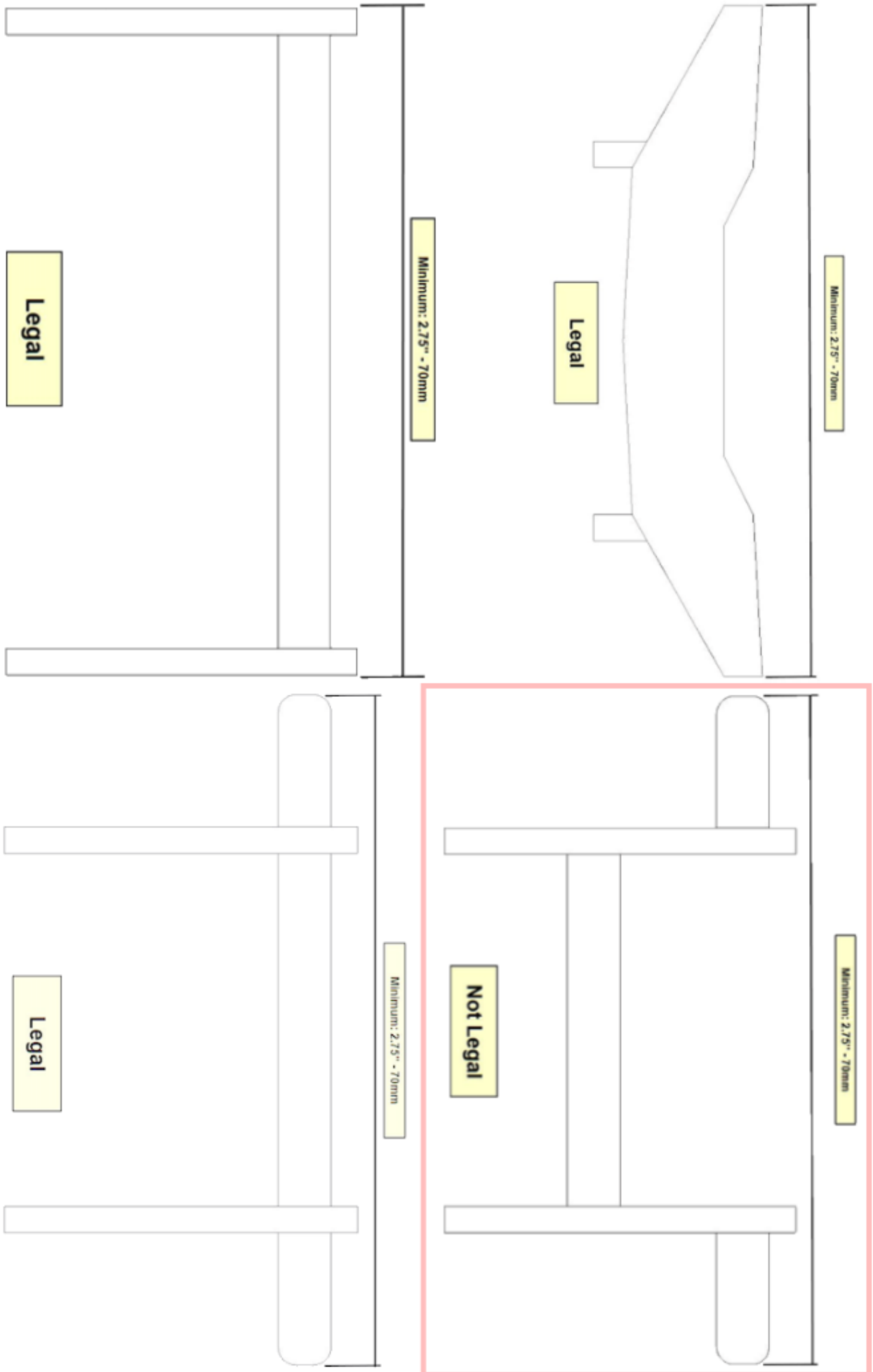
- **2.5.3** - Tires may be modified from other size tires using only pliable rubber, but must not exceed a total uncompressed outer diameter of 6"/152.4mm.
- **2.5.4** - Vehicles are limited to 2-wheel steering only.
- **2.5.5** - Bodied Vehicles only, typically a lexan body that is removable from chassis. Bodiless vehicles are prohibited. Bodies must be of original width and resemble a 1:1 vehicle with cab, door, and hood panels. Vehicle "body" measurements must be greater than or equal to 8"/203.2mm overall length, 3"/76.2mm overall width and 3"/76.2mm overall height.
- **2.5.6** - Vehicles are limited to the use of 2 radio channels (one for steering & one for throttle) only. Neither channel can be used to perform more than one function. Radio systems with more than 2 channels are allowed, but only 2 channels may be used to control the vehicle.
- **2.5.7** - Vehicles are limited to 1 ESC, 1 Motor & 1 servo only.
- **2.5.8** - Motor must be chassis mounted. Motor mount cannot be part of or directly coupled to an axle.
- **2.5.9** - It is required to have a minimum of 3 suspension links between skid plate/chassis and the front axle and a minimum of 3 suspension links between skid plate/chassis and the rear axle. These links and the suspension shocks can be the only connection points between chassis and the axles. Chassis mounted servo cars can have an additional drag link between servo horn and knuckle/tie rod. (See **Section 6 - A suspension link, control link or link**).

2.6 - Performance Scale Class:

**** Local event organizers are free to modify these rules to suit your local events, however, all state, regional, national and world championship events should follow the official rule set****

General specs

- **2.6.1** - Vehicles should represent a vehicle that has been modified to become a capable trail rated/competition based rig and is not necessarily street legal.
 - **2.6.1.2** - Vehicle wheelbase is limited to a maximum of 12.5"/317.5mm.
 - **2.6.1.3** - Vehicles must run a minimum full body from the grille to the B-pillar (See **Section 6 - Grille**). Grille area must have a measurable rectangular shape with a minimum height of 0.59"/15mm and a minimum length of 2.36"/60mm. This minimum area can include, or not, the headlights. Headlights are optional as long as the minimum grille area is accomplished. Wheel arches may be trimmed for clearance.
 - **2.6.1.4** - Cab only configured rear chassis must have frame or bar work or tray (bare chassis and shock hops is not acceptable). Removal of the roof is allowed so long as roll cage/half interior is fitted.
 - **2.6.1.5** - The body (Including tray, cage or any other bar work) must be (3"/76.42mm) longer than the wheelbase.
 - **2.6.1.6** - Minimum Body / Cage work height is 4.5"/114mm from A-Pillar to B-Pillar of the cabin.
 - **2.6.1.7** - Minimum body width is 5"/127mm for the full length of the passenger cabin. (Passenger cabin is defined as from the furthest forward point of the front windscreen and the furthest rearward point of the rear window)
 - **2.6.1.8** - Sectioning or narrowing of the body is allowed from the A-Pillar forward and the B-Pillar backward. But the body must still follow reference 2.6.1.3, 2.6.1.5 and 2.6.1.7.
 - **2.6.1.9** - The inner side wall/ shoulder of front tyres, measured at the axle center must be covered by bodywork when viewed from above at rest. Flares can be added to the body to obtain coverage.
 - **2.6.1.10** - A front bumper is required. It must be a minimum of 2.75"/70mm wide centered to the front chassis rails and must flow through a continuous line (see pictures on following page). Chassis mounted bumpers need to project forward at least 3mm past the body. Body moulded front bumpers qualify and must not deflect inwards.
 - **2.6.1.11** - Clear bodies, "swiss cheese" bodies are not permitted. Consider realism.
 - **2.6.1.12** - No electrics other than steering servo are permitted to be mounted or fixed to axles or suspension links.
 - **2.6.1.13** - Receivers are limited to 2 used channels only.



2.6.1.10 Legal Bumper Examples

Tires and Wheels

- **2.6.2** - Vehicles are limited to 2.2"/55.88mm wheels/rims or smaller at the bead surface.
 - **2.6.2.2** - Tires are limited to 4.8"/122mm maximum external diameter and a maximum width of 55mm from sidewall to sidewall. Tire size will be determined by advertised manufacturer specs. (Tires without available specs will be measured off the truck as mounted on the wheel laid flat).
 - **2.6.2.3** - Siping, grooving, shaving and removal of the lugs from any kind of production tire is allowed as long as they meet rule 2.6.2.2 Only production tires are allowed that meet 2.6.2.2 rules. Internal tire modifications permitted are trimming and sanding of tires.
 - **2.6.2.4** - Original size of the tire must be maintained. Cut and shut, narrowing, reducing or increasing, of any kind, is not allowed. Tire carcass cannot be cut.
 - **2.6.2.5** - Production pin tires, even if they meet rule 2.6.2.2, are not allowed.
 - **2.6.2.6** - Weighted knuckles/ knuckle weights must fit within the bead circumference (Suspended knuckle weights similar in design to "rock magnets" are not permitted)
 - **2.6.2.7** - Carbon fiber wheels/rims must have offset or beadlock ring built into their design (Flat face glue on wheels/rims not permitted). Internal rings are required and foams must not be visible from any angle.

Drive Train

- **2.6.3** - Vehicles are limited to front wheel steering only.
 - **2.6.3.2** - Vehicles must be shaft driven only and powered by a single motor. No "Motor On Axle" (MOA) of any kind. Your axles must be driven by one transmission or transfer case and a minimum of two drive shafts . No separate throttle control of drive shafts or axles.
 - **2.6.3.3** - No front or rear dig or axle disconnects are allowed.

Chassis

- **2.6.4** - Chassis can be any configuration of C-Channel, tub, tube, rod, moulded plastic, or plate.
 - **2.6.4.1** - Chassis must extend covering all axle centrelines. Two piece sectional chassis are permitted, provided they are screwed, bolted or welded/brazed together to form a single chassis rail.

Chassis length is to be constructed using a maximum of two pieces, a front section and a rear section, overlapping/joined for the full length of the skid. The front lower links must be at least 90mm in length eye to eye measured in a straight line.
 - **2.6.4.2** - Vehicle wheelbase is to fit the dimensions of the body used. In the instance a tray-back/truggy cage is fitted, the wheelbase will be approximately defined as between double the distance of the front axle to the A-pillar and double the distance of the front axle to the B-pillar. (Vehicle wheelbase must still follow the 2.6.1.2 rule)

- **2.6.4.3** - Battery trays must be mounted to the chassis.
- **2.6.4.4** - The section of the chassis that counts as the one continuous length must also have the skid plate attached to it directly.
- **2.6.4.5** - It is required to have a minimum of 3 suspension links between skid plate/chassis and the front axle and a minimum of 3 suspension links between skid plate/chassis and the rear axle. These links and the suspension shocks can be the only connection points between chassis and the axles. Chassis mounted servo cars can have an additional drag link between servo horn and knuckle/tie rod. (See **Section 6 - A suspension link, control link or link**)

SECTION 3: General Event Rules & Event Management

3.1 - WRCCA recognizes that some clubs may need to amend the WRCCA Rules to accommodate their terrain and group size at a local level. These rules changes shall be posted in event notifications, and clearly communicated to all competitors prior to competition. Multi-Club events that are Non-WRCCA Events are encouraged to run as strict WRCCA Rules as possible. All WRCCA Sanctioned Events are required to strictly follow WRCCA Rules. Any rules exception for sanctioned events must be pre-approved by the WRCCA.

All major events shall have a minimum of three (3) Marshalls. These Marshalls shall be announced at the drivers meeting before any courses are run. Marshalls need to be in attendance for the duration of the event. Any rule changes necessary due to conditions specific to an event must be decided and voted upon by Event Marshalls. Any questions on discrepancy of the rules or scoring shall only be handled and voted on by Event Marshalls. All courses shall be inspected by all of the Event Marshalls with the course designer prior to the start of the event. Courses may open after the Event Marshalls have given approval.

- **3.1.1** - Any event in which a National Invite is awarded is deemed a Sanctioned Event. This includes major events, state championships, state crawl-offs, etc.

3.2 - Scores are ranked by the cumulative total of all course scores. Lowest total score wins.

- **3.2.1** - Finals course scores are added to total event scores. DNS (50 pts) is given to drivers that did not compete in the finals.

3.3 - Tie Scores:

- **3.3.1** - Driver with the greater amount of perfect maximum negative point scores wins. If these are even, the count continues to next best negative scores and amount of them. And so on. If all courses are tied, drivers can proceed to one course shootout to define the winner of the competition.
- **3.3.2 - Optional:** In the event of a tie score the competitor with the lowest time on all courses will be chosen the winner over the other competitor(s) with the same score.

3.4 - No Pre-running Courses: Drivers that pre-run a course will receive a DNS (50pt) for that course.

3.5 - Course Cut Off Time: Drivers must be in line to run a course before the set course closure time. Drivers who fail to do so will be scored a DNS (+50). Drivers may be permitted to run due to extraordinary circumstances at the head marshals' discretion.

3.6 - Winching: (Other than that done to the suspension) or ramping of any kind is not allowed. Using any device (other than the tires) such as ramps or other objects to make progress in any direction is prohibited and will result in a DNF for that course.

3.7 - Multiple Class Vehicle: A vehicle may be run in more than one class at an event, so long as it meets class specs.

3.8 - Vehicle Exchange: Vehicles cannot be exchanged for another vehicle during the competition.

3.9 - Vehicle Sharing: Vehicle sharing is allowed. No more than two drivers can share the same vehicle. Drivers sharing a vehicle must notify event organizers during Tech Inspection or Check In. Event organizers or Marshals may make any changes to the running order of the drivers sharing a vehicle they deem necessary to avoid controversy.

3.10 - Changing Vehicle Specs (On Course): The vehicle must run a course entirely with the same wheelbase, track width, ride height, and tires it started that course with. Any changes to the vehicle (other than winching down the suspension or forced articulation) by the driver, another person, or any device, while on the course are prohibited. If any kind of modification is done to the vehicle on the course it will be defined as DNF (40pts) minus possible progresses that are achieved till that point.

3.11 - Changing Vehicle Specs (Off Course): Drivers may make changes to wheelbase, track width, ride height, and tires between course runs, as long as the vehicle remains within the specs for its class.

3.12 - Course Modification: No modification to the course is allowed by anyone. This includes, but not limited to, removing of rocks, stacking of rocks, purging a puddle of water, blowing/wiping dirt from rocks, removing vegetation, using objects (including driver's body), or other types of modifications to a course that could gain a driver an advantage. If any kind of modification is done by the driver or their crew score will be defined as DNS (50pts).

3.13 - Event Rule Violation: Any violations of event rules are subject to automatic disqualification by judges, event organizers, or WRCCA. If violation of rules is severe and/or recurring the WRCCA reserves the right to ban the violator from competition for up to one year.

SECTION 4: Course Design

4.1 - Gates Construction: Gates consist of at least 2 Gate Markers, which are numbered and indicate direction of progression.

4.2 - Gate Width (Minimum Width): Measurements are from inside to inside of each gate marker.

- Super Class = 20"/508mm
- Pro & Sportsman Classes = 16"/406.4mm
- Mini & Performance Scale Classes = 12"/304.8mm.

4.3 - Gate Quantity: Recommended 10 Gates per course (not including bonus gates)

4.4 - Course Quantity: A minimum of 3 Courses per event is recommended.

4.5 - Gate Distinction: Courses in close proximity to each other should be distinguished by different colored gates or markings.

4.6 - Live Gates: Gate markers that are live and designed as part of the course that count for penalty must also have progress or bonus points awarded.

4.7 - Start Lines: Courses may consist of a start gate, chalk line or any other type of designated starting area. Start lines are only used to start the course clock.

- **4.7.1** - Scoring starts when time has started. Scoring stops when the course is finished.

4.8 - Course Completion: The course is finished once last progression gate is completed and progress has been awarded (see rule 1.10)

4.9 - Bonus (Optional): Bonuses are extra gates placed anywhere on the course, by course designers, for bonus credit.

- **4.9.1** - All penalties apply during the bonus attempt to the regular score even if the bonus is not completed or aborted.
- **4.9.2** - Course must be completed in order for the bonus to be awarded.
- **4.9.3** - Bonus may consist of more than one gate.
- **4.9.4** - Bonus Gates are run in the intended sequence and direction set by the course designer.

4.10 - Alternate (Optional): Alternate gates are secondary gates placed anywhere on the course, by course designers, for bonus credit.

- **4.10.1** - All penalties apply during the alternate attempt to the regular score even if the alternate is not completed or aborted.
- **4.10.2** - Course must be completed in order for alternate to be awarded.
- **4.10.3** - Alternate may consist of more than one gate.
- **4.10.4** - Alternate Gates are run in the intended sequence and direction set by the course designer.

4.11 – Warp Box System: A Warp Box may be used to connect gates on a course when there is no way to physically drive to it. It is composed by a "Sender" and "Receiver" box it is a clearly identified place on the course where, when a vehicle completely enters the boundary of the "Sender" box, time will be stopped and the vehicle moved by hand to "Receiver" box to continue the course.

Time will be restarted when the vehicle progresses out of the "Receiver" box.

For the "Sender" box to work the car must be in its upright position. No penalties are caused by the Warp box system. Only one Warp box system is allowed per course.

SECTION 5: Judging

Judge Requirements:

Depending on the size of the event, organizers and/or clubs should plan staffing their courses according to the needs of the event. Local/Club events can use a wider variety of judging arrangements like small groups, or the next driver in line. WRCCA sanctioned events should have judging arrangements planned prior to their event (team format, volunteer/paid, or judging assignments/schedule). Any group or individual found to be cheating will be disqualified from the competition, and can be disqualified from all sanctioned events if deemed necessary by the WRCCA.

5.1 - Judge Responsibilities: Judges are responsible for watching vehicles while on the course, calling penalties, marking penalties, and keeping time. After the course is completed or time elapses the judge will calculate course score and indicate total on scoresheet and /or driver card.

- **5.1.1** - Judges should call out penalties when they occur.
- **5.1.2** - Judges are responsible for keeping spectators at a safe distance from the course to avoid spectator interference.

5.2 - Judges Per Course: Whenever possible this should be done by at least 2 people per driver. One Judge to call out penalties and one Judge/Scorekeeper, to record penalties, tally maximum penalties, keep time, etc.

5.3 - Spectator Interference: If a spectator accidentally interferes with the vehicle the driver should not be penalized. If a fan intentionally interferes with the vehicle, and significantly changes the outcome to the driver's advantage then the driver should be penalized appropriately at the discretion of the judge. Intentional spectator interference includes but is not limited to if a fan stops a truck from falling in water, off a cliff, or other obvious hazard to avoid damage.

5.4 - Spotters (Optional): If spotters are permitted by event organizers, drivers are responsible for identifying the driver's spotter. Only designated spotters shall be allowed on course with the driver and judges. All penalties committed by the spotter shall count towards the driver's total score. (i.e. touches, course modification, etc.)

5.5 - Stopping after Attempt: Once a driver has finished their attempt at a course, the driver must remove their vehicle from the course as quickly as possible, to allow the next driver to attempt the course. If a driver fails to adhere to the rule and continues to drive on the course, the driver may be subjected to a 50-point DQ for that course.

SECTION 6: Glossary of Terms

Active Suspension: A suspension that is interlinked (such as the 1:1 Scorpion, excluding the air bags used to raise and lower the vehicle) which by design moves part of the suspension in one direction when moved from another. This does not have any driver input to be legal.

Body: Formed as a single piece of seamless rigid material, integrating Roof, Door (sides), and Hood sections.

Bodiless: Other construction techniques that include door (side), roof, and hood panels representative of 1:1 vehicles. Including but not limited to bolted, welded, brazed, and forming techniques.

Course: A course is the terrain that consists of a start gate, an end gate, and all the terrain in between them. Every course has an intended direction of travel, or "flow", through the gates.

Event/Competition: The coming together of drivers at a certain place and time to compete on single or multiple courses.

Forced Articulation: Is the use of something such as hydraulics or electronics to literally force the suspension to move in a driver-controlled manner.

Gate: A gate is used to mark an obstacle within a course and/or guide the vehicle through the course. A gate consists of 2 gate markers measuring no less than; 20"/508mm for the Super class, 16"/406.4mm for Pro and Sportsman classes, and 12"/304.8mm in Mini and Performance Scale classes from inside edge of one marker to the inside edge of the opposite marker. The gate is the entire area between the gate markers; determined by the size of the gate markers and the distance between them. See Illustration C . Every gate has an intended direction of travel, or "flow", through the gate. This direction will be marked, explained or implied by the course designers. All gate markers are "live" until touched .



Illustration C

Legal Rollover Recovery: The vehicle must be completely at rest and may not have any transmitter input during the Rollover Recovery. The rig must be smoothly rolled over (sideways not end over end) from driver or passenger sides by holding the truck by the chassis or body (Not tires, wheels or axles). The driver may only attempt to roll the vehicle in one direction. At no time during the Recovery can the vehicle slide in any direction or lose contact with the ground. Once the truck is rolled over it must be able to hold its position on its own long enough for the Judge to determine it is stable and remain within the course boundaries. The course may be continued at this point. If any of the above criteria is not met, a Reposition penalty (10 pts, see **Sec.1 Vehicle Touch rule**) will be given instead of a Roll Over (5 pts).

Links (suspension link, control link or link): is a suspension member that is attached from only two points; one point being the chassis or skid plate of the vehicle and the other point being the axle. The link typically pivots on a rod end at each attachment point.

Rollover Position: A vehicle is considered to be in the Rollover Position when both wheels on the same side of the vehicle break a 90-degree vertical plane from horizontal level (NOT the crawling surface).

Vehicle track width: Is measured from the outermost edge of a tire to the outermost edge of a tire.

Wheelbase: Is measured from center of axle nut to center of axle nut. The vehicle should be set down on a flat surface by the driver. The front wheel on the side that is being checked, must be pointing straight forward. At that time, the driver will then cycle the suspension through its complete extension and compression range while the judge measures the vehicle's maximum wheelbase. The vehicle's wheelbase cannot extend beyond the maximum limit of its class at any point in the suspension's cycle range. All the above procedures must be duplicated on the opposite side.

Note: All vehicles will be teched in the same ready to run condition, and set up as the vehicle will be run on the course. If the vehicle's wheelbase is affected by radio control it must be cycled or activated during tech inspection.

SECTION 7: Penalty Examples and Additional Penalty Definitions

The examples and definitions used in this section are intended to help explain rules in previous sections, not override them.

7.1 - Back Up/ Reverse Examples:

- **7.1.1** - If the driver intentionally drives the vehicle in reverse, a reverse penalty will occur.
- **7.1.2** - If the vehicle stops on an incline and then rolls backwards a reverse penalty will occur.
- **7.1.3** - If a vehicle is climbing an obstacle and is bounced backward by the terrain but the tires are still moving forward, no reverse penalty will occur.
- **7.1.4** - If a vehicle flips over backward, without the driver reversing, no reverse penalty will occur.
- **7.1.5** - Once a reverse penalty has been assessed, no further reverse penalty can be assessed until the vehicle makes forward progress.
 - **7.1.5.1** - Example: Reversing, stopping, and then reversing again will only result in one reverse penalty.
- **7.1.6** - Reverse penalties are assigned at the Judge's discretion if the actions performed by the vehicle and/or driver are not clearly defined by the rule.

7.2 - Clearing of a Gate Examples:

- **7.2.1** - A gate is considered progressed when at least one front and one rear wheel passes between the two gate markers, and all four tires are past the gate in the intended direction of the gate.
- **7.2.2** - One wheel from the front axle and one wheel from the rear axle passes between two gate markers to considered it progressed gate. However, this will result in a Gate Marker penalty of +10 points and the -2 gate progression points are awarded.
- **7.2.3** - All gates must be cleared in the intended sequence of the course layout (gate 1, then gate 2, then gate 3 and so on).
- **7.2.4** - A vehicle may travel through a gate while it is in reverse and still clear that gate as long as it only travels though in the intended direction (reverse penalty(s) will be assessed as necessary).
- **7.2.5** - If all four wheels of a vehicle must pass between two gate markers, that gate is considered a progressed gate with no penalties and a gate progress bonus is awarded.
- **7.2.6** - If one wheel only from the front axle or one wheel only from the rear axle passes between two gate markers that gate is not considered a progressed gate.

7.3 - Gate Marker Penalty Examples:

- **7.3.1** - Any time a gate marker is touched by a vehicle, a Gate Marker penalty is assessed.
- **7.3.2** - A driver can only continue with the course when a gate is cleared or 20 pts (if optional bypass rules are used) at that gate is accumulated.

Section 8: Sportsmanship

8.1 - Sportsmanship: Good sportsmanship is required at World RC Rock Crawling Competitions. If a competitor or team member (including but not limited to spotters) promotes unsportsmanlike conduct, they and/or their team members may be penalized upon the Marshal's review of the incident. Unsportsmanlike conduct includes but is not limited to rude or abrasive actions towards officials or other teams or spectators, destroying property, displaying drunken or disrespectful behavior, use of excessive on-course profanity or kicking/throwing their controller or rig. The violator(s) and/or their team members may be penalized upon the Marshal's review of the incident. Unsportsmanlike conduct may result in a 50 (DNS) for the course, and/or being disqualified from the competition.

8.2 - No alcohol or drugs: Are not allowed on course during competition. Intoxicated competitors will be asked to leave the competition area, at the marshal's discretion. If further action is required to remove an intoxicated person from the course, Disqualification or Ejection from the event may occur at the discretion of the head marshal or event organizers.

8.3 - Violation of Intent: The intent of a written rule may include areas not explicitly expressed or illustrated. *The WRCCA Rules Committee has the ability to define the intent of a rule. A violation of the intent of a rule may be considered a violation of the rule itself. **Rulings on Violation of Intent shall only be made by the WRCCA Rules Committee, without exception.**

*This unofficial version adapted from official ruleset update: November 5, 2023
No changes have been made to the original document beyond formatting for clarity.
End of WRCCA Ruleset document.*

New Class for 2023: Pricey's Customs Tuff Truck

(Adapted from 2023 SEQRRRC Class Document for Local Use; Last Updated 20/5/2024)

Class Description

This class is aimed at the full tube style buggies and cars such as the Capra and custom chassis built to resemble what you would see at the Tuff Truck and Werock/Ultimate Rock Sports events.

Each car will be inspected prior to the event to ensure it meets the spirit of the class criteria. Twin plate carbon fibre style chassis cars not permitted. Performance based C2 cars are not what this class is about.

Courses for this class will set a minimum gate width of 16"/406mm.

Scoring: drivers will not incur uncleared gate penalties. A DNF on time still awards the driver all progressed gates, including bonus gates. There is no DNF penalty.

Chassis

- Tubular chassis construction is free, can be plastic such as Capra, titanium, steel, alloy etc.

Tyres

- Maximum tyre size is 5.4", which is the biggest commercially available 1.9 tyre (Proline Bogger).
- 2.2 tyres allowed, but limited to 5.4" maximum diameter.
- Tyres must resemble a proper 1:1 tyre. Pin style not allowed.

Axles

- Axle choice is free, but must be driveshaft style axle only.
- Rear steer allowed and highly recommended.
- Steering is free; no restrictions on CMS (Chassis Mounted Servo) or AMS (Axle Mounted Servo).
- MOA (Motor On Axle) axles are not permitted.

Drive Train

- Transmission choice is limited to conventional and commercially available units.
- Front DIG allowed and highly recommended.
- Twin-motor, MOA-drive style transmission not allowed.
- Overdrive percentage is free in axles and/or transmission.

Geometry

- Wheelbase is free
- Suspension is free

*This unofficial version adapted from SEQRRRC Nationals Event Description:
<https://www.facebook.com/events/394120429427679>
End of Tuff Truck document.*

Scale-1 (aka. 'C1') Class Regulations

Adapted from SEQRCC 2021 Scale Regs Document

1 - Scale-1 Overview

1.1 - A Scale-1 vehicle is an off-road vehicle that closely resembles a street legal vehicle that you could drive to work, or out on the trails. This class is aimed at the builder who prefers scale realism over performance, so you are encouraged to go above and beyond to make your truck look as scale realistic as possible. An example of a Scale-1 vehicle may be an expedition vehicle such as a Camel Trophy Land Rover Defender.

2 – Bodies

2.1 - Vehicles bodies are to be a scale representation of a 1:1 production vehicle, maintaining a full body from the grill to the B-pillar. Minimal trimming and radiusing of guards for clearance only is allowed.

2.2 - Bodies must not be able to be deformed at sill and bumper height. This may be achieved with internal structures such as the vehicle interior, floor pan, external bar work, bull bars or rock sliders.

2.3 - Truggies and cab only vehicles are not allowed. Flatbeds with full length rail chassis are permitted. Flatbed or flare side tray with fenders must not be narrower than the cab at it's widest point. Flat beds must be as wide as the cab the entire length of the bed.

2.4 - Bumpers must be fitted to the front and rear of the vehicle. Bumpers that are moulded into lexan or hard plastic bodies are allowed (refer 4.1.2 body deflection) A rear bumper is not required on a flatbed. Bumpers are to be same width as the bonnet at the narrowest point.

2.5 - Full or partial removal of a vehicles doors or roof is allowed however all vehicles without an enclosed cab must maintain the original windscreen, a full interior and roll cage fitted (roof removal). A roll cage is not required if the 1:1 version of the vehicle did not come with one. Tube doors are required when a full door removal is done. Partial door removal is any door cut which reduces the height or shape of the door from OEM.

2.6 - All vehicles must have two head lights and two tail lights. Stickers or painted on lights are permitted.

2.7 - The tread of the tyres cannot extend outside the body (including flares/barwork or tray) by more than 50% of tyre tread width, at the centre line of the axle when viewed from directly above on a flat level surface.

3 - Chassis / Suspension

3.1 - Vehicles must be built on a plate rail or C-channel ladder style chassis. Chassis must extend in one continuous length and be 75 mm longer than the wheelbase of the vehicle. Adjustable length chassis (Ascender) and tub style chassis (eg CC-01, TA-01, Traxxas Telluride) are permitted.

3.2 - Lower suspension links must be straight. Upper and panhard suspension links may be bent.

3.3 - Vehicle wheelbase is to fit the dimensions of the body / tray used. Wheels must be aligned vertically within the body wheel wells (centre of wheels to centre of wheel wells +/- 6mm at each axle)

4 – Driveline

4.1 - Vehicles must be driven via a single motor, gearbox and/or transfer case and drive shaft/shafts. CC-01, TA-02 type chassis with one drive shaft are permitted. Motor On Axle (MOA) is not permitted.

4.2 - Front or rear digs, separate throttle control of drive shafts or Under / Overdrive of axles is not permitted. Drive may be disconnected from the front axle eg shifting from 4WD to RWD. Locking of the disconnected axle, by way of dig or worm drive axles is not permitted

5 – Steering

5.1 - Vehicles are limited to front wheel steering only. Steering servos must be chassis mounted (CMS). Servos on axles are NOT permitted.

6 - Wheels / Tyres

6.1 - Vehicles are limited to 1.9 inch wheels/rims or smaller at the bead surface. Split diameter (Short Course) wheels are not permitted.

6.2 - Tyres are to be 106.4mm maximum external diameter.

6.3 - Any Wheel to Tyre fitment combinations are allowed - eg. 1.5" tyres on 1.9" wheels

6.4 - No tyre modifications are allowed.

7 – Electrics

7.1 - All electrics must be hidden when viewed from above, side and through the windows.

8 – Handicap Points

8.1 - A driver's Course Score is tallied as per the standard Competition Rules. Scale handicap points are added in full at the END of a competitor's course attempt. The Scale handicap points are applied in all scoring situations except a DNS.

8.2 - If a handicap item falls off the rig during a course, the driver will have to reposition their rig to previous gate without penalty. Before driving again, the item will have to be remounted. Time will not be stopped during any of this process.

9 – Handicap Point List

Scale-1 vehicles are eligible to be awarded Scale Points up to a maximum value of -24 points as per the following list:

9.1 – Suspension (Max = -4):

- Leaf Springs : front OR rear (-1 each)
- Suspension matches OEM configuration - eg leaf, separate coil/shock, radius arms, 5 link, IFS. Proof will need to be given (-4)

9.2 – Body (Max = - 9):

- Hard body (-2)
- Heavily modified production body (-2)
- Custom tray (-2)
- Non production - custom built hard body (-4)
- Complete set of inner fender wells (-1)
- Roof rack / ladder rack - must be metal and at least 1/3 length of vehicles' wheelbase. (-1)
- 100% tyre coverage (-1)

9.3 - Drive Train (Max = -1):

- Separate transfer case (-1)

9.4 - Large Scale Items (Max = -8):

- Functional lights - Minimum two (2) head and two (2) red tail lights required (-1)
- Spare tyre - must be functional. OD of spare tyre must be +/- 5mm of the other (4) driven tyres (-1)
- 3D interior - minimum of steering wheel, dash and seating for 2 people (-1)
- Human Figure Driver - minimum torso up, no points for additional passengers (-1)
- Functional Sound Kit (-1)
- Opening doors (-1)
- Opening bonnet (-1)
- Working Winch (-1)

9.5 - Small Scale Items (Max = -2):

Multiples of the same/similar items are allowed, but will only be counted as a single item. Eg. Three (3) separate D Rings = 0.2 point. A vehicle carrying between 3 - 7 items = -1 Point, 8+ items = -2 points:

- Exhaust (tail pipe/s)
- Mirrors (2)
- Wipers (2)
- Antenna/s
- Rego plates (2)
- Disc/drum brakes on wheels (4)
- Mud Flaps (4)
- Sand ladders / MAXTRAX (2)
- Fuel Tank / Cell
- Jerry can/s
- Scale Hubs on wheels (4)
- Trail tools (High lift jack, shovel, pick, compressor etc.)
- First Aid kit, fire extinguisher, swag, Esky etc.
- Tow strap
- D Ring/s
- Tow Bar
- Pull Pal

10 – Functional Recovery Equipment

10.1 - Vehicles may carry and use their own Functional Recovery accessories eg. MaxTrax, Sand ladders, Tow ropes, Pull Pal, snatch blocks and winches.

10.2 - A Trail Recovery can only occur after there has been at least one driven attempt at an obstacle/gate.

10.3 - A 'Trail Recovery' penalty is awarded each time the driver/vehicle uses pieces of Functional Recovery equipment to maintain progress on the course.

10.4 - The connection/reconnection of a winch cable, or positioning or repositioning of self-recovery tools will constitute a Trail Recovery and Penalty Points will be applied.

10.5 - Each 'Trail Recovery' on a course will incur a +5 point penalty.

10.6 - Any significant movement of the vehicle caused by remote control or human hand during the removal or re-stowing of recovery tools, or hooking/unhooking of tow ropes and/or winch line from the vehicle, will constitute a Vehicle Touch (Repo) Penalty - at which time the vehicle is to be positioned with its rear wheels aligned with the last completed gate, or the next stable location. If an alternate stable location is chosen, then this will be used for all drivers.

10.7 - Time does not stop during a Trail Recovery or Assisted Trail Recovery.

10.8 - Winches must be of scale appearance if externally mounted. Winches may be mounted inboard, however a fairlead must be fitted externally.

10.9 - Winch lines can only be attached to natural terrain, rocks, tree roots, ground spike or Pull Pal. Winching off the 'Foot Of God' is not permitted.

11 – Glossary of Terms

11.1 - **Wheelbase** - The wheelbase is measured from the centre of axle nut to the centre of axle nut. The vehicle should be set down on a flat surface by the driver. The front wheels must be pointing straight forward. The suspension will then be cycled through the entire suspension extension and compression range while the Marshall measures the maximum wheelbase. At no point should the vehicle exceed the maximum limit for its class.

11.2 - **Production Hardbody** - Any body that can be purchased directly from a store or modified from a toy. This includes but is not limited to: Rc4wd D90, TF2, Tamiya Hilux, Newbright Jeep etc.

11.3 - **Production hardbody with custom tray** - Any cab only body that can be purchased directly from a store or modified from a toy AND a flatbed OR trayback that is completely scratch built. This DOES NOT include creating a drop bed OR modifying a production tray.

11.4 - **Heavily modified production hardbody** - This is an example of the above bodies that has been modified to become something it originally wasn't. This is akin to creating a 4 door Hilux from two single-cab bodies or modifying a Landrover into a tray-back or ute, etc. This DOES NOT include adding a sunroof, creating a drop bed, and other such projects.

11.5 - **Non-production Hardbody** - This is a body that cannot be purchased from a store in any way, shape, or form. It can be built from any material not prone to flexing and must adhere to rule 4.1.1

11.6 - **Suspension matches OEM configuration** - For a rig to be eligible for these points, the suspension configuration must be essentially the same as the OEM 1:1 vehicle. Eg separate coil / shock, 5 link, radius arms, leaf sprung, independent etc. Points will not be awarded if anti wrap/track bars, shooter shackles, T boxes are fitted to a leaf sprung vehicle which did not have these features from the OEM factory.

11.7 - **Pinching** - Pinching is defined as the narrowing of the body by the removal of wedge sections of the bonnet, realignment of the guards and removal of sections of the grill (or tailgate) to reduce the width of the front (or rear) profile of the vehicle.

End of Document. Handicap Points Form Follows.

Melbourne Comp Crawlers Handicap Points Form

COMPETITOR: _____

DATE: _____

VEHICLE: _____

ASSESSED POINTS TOTAL: _____ (Max. Points Obtainable: -24)

SCALE POINT ITEMS	AVAILABLE	ASSESSED
Suspension	Max: -4	SUBTOTAL:
Leaf Springs (<i>Front OR Rear</i>).....	-1	_____
Suspension matches OEM configuration..... (<i>eg. Leaf, separate coil/shock, radius arms, 5-link, IFS, etc.</i>)	-4	_____

Body	Max: -9	SUBTOTAL:
Hard Body.....	-2	_____
Heavily-Modified Production Body.....	-2	_____
Custom Tray.....	-2	_____
Non-production (<i>Custom-built hard body</i>).....	-4	_____
Complete Set of Inner Fender Wells.....	-1	_____
Roof Rack / Ladder Rack..... (<i>Must be metal and at least 1/3 length of vehicle's wheelbase</i>)	-1	_____
100% Tyre Coverage.....	-1	_____

Drive Train	Max: -1	SUBTOTAL:
Separate Transfer Case	-1	_____

Large Scale Items	Max: -8	SUBTOTAL:
Functional lights (<i>Min. two (2) head & two (2) red tail lights required</i>).....	-1	_____
Functional Sound Kit.....	-1	_____
Spare tyre..... (<i>Must be functional. OD of spare tyre must be +/- 5mm of the other (4) driven tyres</i>)	-1	_____
Opening doors.....	-1	_____
Opening bonnet.....	-1	_____
3D interior (<i>Min. of steering wheel, dash & seating for 2 people</i>).....	-1	_____
Working Winch.....	-1	_____
Human Figure Driver (<i>Min. torso up, no points for additional passengers</i>)	-1	_____

Small Scale Items (3 to 7 items: -1; 8+ items: -2)	Max: -2	SUBTOTAL:
<i>(Multiple items allowed, but will only be counted as a single item eg. Three D Rings = 0.2 point)</i>		
Exhaust (tail pipe/s).....	-0.2	_____
Mirrors (2).....	-0.2	_____
Wipers (2).....	-0.2	_____
Antenna/s.....	-0.2	_____
Rego plates (2).....	-0.2	_____
Disc/drum brakes on wheels (4).....	-0.2	_____
Mud Flaps (4).....	-0.2	_____
Sand Ladders / MAXTRAX	-0.2	_____
Fuel Tank / Cell.....	-0.2	_____
Jerry can/s.....	-0.2	_____
Scale Hubs on wheels (4)	-0.2	_____
Trail tools (<i>High lift jack, shovel, pick, compressor etc.</i>).....	-0.2	_____
First Aid kit, fire extinguisher, swag, Esky etc.	-0.2	_____
Tow strap.....	-0.2	_____
D Ring/s.....	-0.2	_____
Tow Bar.....	-0.2	_____
Pull Pal.....	-0.2	_____