

Sled:	The device used to create a drag on the pulling vehicle in which to stop the vehicle.
Stock:	Factory original for that vehicle or piece of equipment.
Traction compound:	Anything that is foreign to that tire. Any substance that was not made for, put on, or into the tire at time of manufacture. Tire glues are allowed to mount tires to rims or to glue two tires together in order to make a wider tire.
Tread width:	The width of the tread only. This does not include the sidewalls.
Tube chassis:	A chassis that is constructed of square, round, hollow or solid tubular stock. The chassis is the component in which the gearboxes, suspension, radio equipment, battery, body and all other vehicle components are attached.
Wheel:	An assembly consisting of one tire and one rim.
Wheelie bar:	A device mounted to the rear of the vehicle to prevent the vehicle from flipping over backwards once the vehicles front tires loose contact with the pulling surface. This device is made up of a single or pair of bars with one or two wheels mounted on the bars. Wheelie bars are permitted in all classes. They may not extend past the legal length of the vehicle and may not interfere with the operation of the pulling sled in any way. Skid plates are not permitted. In the dirt classes skid pads may replace the wheels on wheelie bars for scale appearance. Flexible straps for static grounding are only permitted to touch the pulling surface. Wheelie bars are not to be use to rock the vehicle back and forth. This would be considered intentional jerking.

Forward

This rulebook is a culmination of many years. Over the years the hobby world has changed and so has this book. This book is published yearly in order to stay up with current trends. The association uses all of its resources to continue its constant upgrade. Many of the changes in this book are minor from one year to another. This year is not much different than most.

If you are familiar with the following classes you will see that they have made a change; Bruiser, Stock Emaxx, Modified Emaxx, and Super Stock Monster Truck. Bruiser is now 4WD Modified Driveshaft, The Emaxx Classes are now 4WD Independent Suspension. The Super Stock Monster Truck got a couple things cleaned up.

The first thing that happens to make a change is our annual Town Hall Meeting. This is a place for any group of five members to bring up proposals for rule changes. These changes are then looked at by the association board members. The board may decide to rework, reword, or table the proposal. Once the board has reviewed it the proposal goes before the general membership for a vote.

This year the NR/CTPA is turning a corner. With the electric changes coming to the hobby, the board has decided to allow brushless motors into some classes. Please review this book to see where it is allowed. While we are not quite ready to allow the very newest of battery technology we expect that to come in the near future.

The rulebook has taken on a different appearance this year. The hope is that it will make it easier to follow along with your favorite class' rules. The first place that you should visit is the General Rules including the Frequency Page and the Motor Levels. Once you understand those rules you can move on to the more specific rules for your type of competition. This would include the Pulling Rules, or the Racing Rules. Now you are ready to take a look at your class rules. You will also want to read the Definitions and Clarifications. All of these sections complete the rules that apply to the vehicle that is entered for competition.

Purpose: The purpose of the NR/CTPA is to promote radio controlled truck pulling, monster truck and tuff truck contests. To provide the rules and assistance to members and affiliated clubs.

Membership;

Dues:

Individual membership: \$25.00 per year (U.S.)

Family membership: \$30.00 per year. Family memberships can include any family member residing in the same household.

Discount: A discount of \$5.00 may be deducted from either memberships if the member is a member of a recognized NR/CTPA affiliate club.

Associate Membership: \$20.00 per year. This membership is for Hobby Stores only.

Included: Membership card, rulebook, decal, one year subscription to the NR/CTPA Newsletter. Reduced or guaranteed entry fees at NR/CTPA sanctioned events, discounts on official NR/CTPA merchandise. Affiliate membership includes a rulebook, certificate, and subscription to the newsletter.

The rules in this rulebook shall govern all competitions after March 1, 2008 and supersedes all previous editions. The NR/CTPA reserves the right to amend, change, or add to the rules according to changes affecting the hobby. All attempts will be made to keep the rules fair and equal for all participants.

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Hitch continued;

Unless otherwise noted in the class rule the maximum hitch height is 4". The following will also apply to the 2" maximum hitch height classes. The hitch is measured by placing the vehicle on the tech table, without any downward pressure during inspection. Horizontal hitches will be measured to the top of the hitch. Vertical hitches will be measured to the top of the hole. Any hitch with multiple holes will have the holes above the maximum covered with tape.

Intentional jerking:

The act of deliberately manipulating the controls of the vehicle in a way to advance the sleds position in an erratic manner.

MSRP:

Manufacturers Suggested Retail Price.

Maximum motor size:

The total outside length and diameter of the motor not including the output shaft.

Measuring device:

All measurements are to be made with a normal ruler. Micrometers and the like are not to be used for tech.

Monster truck:

A vehicle with oversized tires designed to go over large obstacles at a fast pace.

Original:

As manufactured and unmodified.

Production Pulling Vehicle:

Any vehicle manufactured specifically for pulling. This may be "factory production" or scratch built.

R/C:

Radio controlled.

R/C Motor:

A motor that is designed and built for the R/C industry.

Readily available:

Available off the shelf from hobby shops, distributors, or from retail mail order outlets. Special order or custom made items are not considered to be "readily available".

Scale appearance:

Having the scaled down look of a full size vehicle or part.

Factory production vehicle:	Any factory production vehicle kit originally manufactured for use other than a pulling vehicle. For example a Tomyia Clodbuster or a HPI Wheelie King are “Factory Production Vehicle”.
Front axle:	The device mounted at the front of the vehicle in order to provide a means for steering. The axle will be mounted so that the wheels line up with the wheel openings in the body. Exceptions will be made for “Factory Production Vehicles”. The tires on hinged or floating front axles are not allowed to contact the track surface if the vehicles front end lifts ¾ of an inch or more.
Front wheel openings:	The open place that allows the front wheels to have clearance to move when turned to the right or left. The wheel openings will be located behind the front most part of the body. Front wheels are not allowed to extend more than one inch on either side of the body. Exceptions are made for 4WD vehicles, Factory Production Vehicles that must run the original suspension, and replicas of full size vehicles.
Gearbox:	The unit consisting of the gears, belts, chains, case and/or mounting brackets. The gearbox is the means for transmitting the power from the motor to the wheels. An additional gearbox refers to a second gearbox that is attached to the main gearbox.
Hitch:	The apparatus used to hook the pulling sled to the vehicle. The hitch shall incorporate a 5/16 inch hole for the sled hook and will be no more than ½ inch from the rearmost end of the hitch drawbar. The hole must be located behind the axle. The sled chain will have a clear path to the hole with no interference from the vehicle. The hitch is to be fashioned from a strong and rigid material. All hitches will be rigidly mounted. The hitch must be mounted in such a way to not allow any movement longitudinally, vertically, or horizontally. Adjustable hitches are permitted but must be locked in position when pulling.

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General Rules

These rules shall cover all classes of pullers and racers unless specifically noted.

1. All vehicles covered in this rulebook shall be radio controlled 1/12 or 1/10 scale cars, trucks or tractors and will have a body to resemble a car, truck, tractor, or full size vehicles. Vehicles must run in classes according to their factory production vehicle classification; i.e. 2wd factory production vehicle runs in 2wd classes, 4wd factory production vehicle runs in 4wd classes. The following classes are limited to run factory production vehicles only: Stock, Super Stock, and Modified. 2wd and 4wd classes compete separately. Specifications for both 2wd and 4wd in each class appear on their respective pages of this rulebook. Differentials may be locked and ball bearings are acceptable in all classes.
2. All classes are subject to any combination of pre and post competition inspection with weigh in. Each vehicle must pass through tech and if found to be illegal, that vehicle is disqualified for that round.
3. (Track Official inspection) Vehicle may be inspected at any time by the head track official if suspected of a violation. Anyone refusing to submit the vehicle in question for inspection will be disqualified from event and forfeit entry fees. If inspection is regarding specific motor or component and disassembly is required, the head track official must first notify the Event Competition Committee for further review. After review the owner of the motor or component in question must first provide proof of the legality to the Competition Committee. If the owner is unable to provide proof, the NR/CTPA will ask the owner at that time to disassemble the component in question. If the owner refuses request of disassembly, the vehicle in question will be disqualified. After inspection if the component is found to be legal per current rules, the NR/CTPA will refund the cost of component in question if warranted. Refund not to exceed current market value, not manufacturers suggested retail price. The ruling of the head track official is FINAL.
4. Ties will be broken by adding weight to the sled and re-pulling or another race. Batteries may be recharged. This will be left up to the host club or Event Director. This will be announced at the drivers meeting.
5. There can not be a protest against the Head Track official or their staff. Any complaints must be filed with the Competition Committee. The decisions of the Head Track Official and or Competition Committee Director are final and can not be overruled.

Definitions and Clarifications

2WD:	Shall constitute one rear drive axle with 2 wheels only.
4WD:	Shall constitute two drive axles; one rear drive axle with two wheels and one front steer drive axle with two wheels. On pulling vehicles the front and rear tires will be no more than 1 inch difference in diameter. On racing vehicles the front and rear tires will be the same size in diameter and width. 4WD vehicles will be true 4WD vehicles. The Big Rig class is the only class allowed to use tandem drive axles.
Battery:	Shall be NiCd or NiMh cells only. Factory built batteries will be encased in the original factory wrapper with the label attached. All other batteries must be in clear shrink-wrap or clear tape. No added opaque tape or shrink wrap allowed. Batteries will be readily available R/C type. Example of a non-usable battery is the military issue 3volt "C" size. Individual class limits will be listed in that class section of this rulebook.
Body:	Shall be the shell that gives the vehicle its shape and allows it to resemble a full size car, truck, or tractor.
Chassis:	Frame of the vehicle not including suspension, steering, body or gearbox.
Dual wheel:	More than one tire on one rim or a combination of more than 1 tire with one rim on each side of an axle. No dual wheels are permitted. Foam tires may be glued together to make 1 tire on 1 rim and shall not be considered dual wheels.
ESC	Electronic Speed Control
Factory production:	Any R/C product manufactured by a recognized R/C supplier in quantities of no less than 100 units per year. Bodies are not required to be "factory production" as long as they are realistic. Please refer to motor rules for specifics on them.

ARTICLE X Fiscal Year

The fiscal year of the Organization shall begin on the first day of January and end on the last day of December in each year.

ARTICLE XI Dues

Annual Dues. The Executive Board may determine from time to time the amount of initiation fee, if any, and annual dues payable to the Organization by the members.

ARTICLE XII Amendments to the Bylaws

These Bylaws may be altered, amended, or repealed and new bylaws may be adopted by a majority of the members of record and or the Executive Board.

ADDENDUM TO THE BYLAWS

The following Standards of Practice is listed with the understanding that it is only a guide and cannot and should not, be in anyway construed to be enforceable as a condition of membership in the NR/CTPA.

NR/CTPA STANDARDS OF PRACTICE

We, the members of the NR/CTPA, pledge to do everything possible to insure that r/c pulling and monster/tuff truck racing is held to the highest possible light at all times. Understanding that any infighting or negative publicity is ultimately damaging to the image of the NR/CTPA, we recognize the need for fair, healthy competition in our industry, but strongly deplore the use of negative sportsmanship or any other practices aimed at creating a negative impression about the r/c industry. We will strongly advocate fair practices which focus on the positive aspect of our sport, in general, and or Organization, in particular.

6. Any participant may request an inspection of a vehicle in his/her class but ONLY if suspected of a rule violation. Participant must register a written complaint with the Competition Committee along with a \$30.00 protest fee in cash. The owner of the vehicle in question will be notified of the complaint by a Competition Committee member. At that time the vehicle will be placed in impound. If disassembly is required the owner any disassembly of their vehicle under the supervision of the Competition committee. If the vehicle in question is found to be legal, the owner of the vehicle will receive the protest fee. If the vehicle in question is found to be illegal the protest fee will be returned to the person filing the protest and the vehicle would be disqualified from the event and the owner would forfeit the entry fees. The decision of the Competition Director is final.
7. No metal or fiber spikes, tire chains, or foreign material to be attached in any matter to or injected into tires. Liquid or chemical tire compounds are not permitted in any class.
8. All weights must be firmly attached. External weights must be of scale appearance and proportionate to that vehicle size. Weights may not extend more than ½ inch past either edge of the body. Vehicles using a scale tractor body may exceed the width limit but no weights are to exceed the vehicles width. Weights may not exceed 3 inches in height. Weight bar and/or weights must have a minimum of ¼ inch clearance when set on a table. All four wheels must contact the table surface. All batteries, motors and non-scale appearing weights must be located under the body of the vehicle. The body may be cut to allow for the wheel openings, exhaust, starter drive access and for clearance of oversized motor housings. Custom work is allowed. Unless it is listed differently in the class rules all dimensions include all of the vehicle components as it is to be competed with.
9. Any production R/C vehicle shall be reviewed by the NR/CTPA and approved for a particular class based on their review.
10. Experimental vehicles not specifically addressed by this rulebook are permitted to compete as exhibition only. The decision to allow these vehicles to compete in their own class is left up to the host club.
11. No automatic transmissions or transmissions that shift while in motion are allowed. The exception to this is Open Monster truck and the "E" Class monster truck.
12. There will be no verbal or physical abuse directed towards any track officials, tech staff, or Competition Committee members by competitors or other officials. There will be no verbal or physical abuse directed towards

any competitor by any officials or other competitors. No alcohol or drugs are allowed in the event area during competition hours. Anyone found to be soliciting drugs or alcohol to minors will be asked to leave. You will be disqualified from the event without refund. No exceptions. This will be decided by the event officials, Competition Committee, and/ or the Executive Board.

13. External propellers and or fan blades may not be used to cool motors in any class. Small blower assemblies will be permitted if mounted securely to the vehicle and properly encased.
14. No walking with the vehicle. The driver must stand in one spot anywhere along the track. Pivoting to the right and left is permitted. The exception is; you may not stand on the track surface at the finish end of the pulling surface. This is for safety and vision reasons. Violation of this rule will result in disqualification for that round. The enforcement of this will be up to the event director. Exceptions may be granted for physical disability, (i.e. vision), or for building interference.
15. No truck maximum per person per class. This will be left up to the host club or the Event Director and announced prior to the event.
16. A chassis may be entered only once at any event. For Example: different bodies may not be put on the same chassis and run twice. The exception to this is the Novice class.
17. All members will be expected to help in any way if asked at events if physically capable.
18. No teching of brush hoods on any motor (lay down or standup) during tech inspections. The exception to this is during special inspections such as those in general rules number 3 and 6. During these inspections the brush hoods may be disassembled and inspected to prove legality.
19. A minimum of three (3) entries per class must be pre-registered and pre-paid, at least four (4) weeks prior to the World Championships in order to purchase trophies for said class of trophies. All exhibition classes will be awarded plaques instead of trophies at the World Championships and the Spring Nationals events unless the class is sponsored.
20. You may not tech your own vehicle or measure its distance in pulling.
21. All competition courses and/or tracks must be set up in a safe manner. This is for the safety of the participants, spectators, building and vehicles.

rector, Vice President, and President, prior to payment. The Secretary or Treasurer may sign checks up to the limit set by the Board; larger checks require second signature of the Executive Director or President. In absence of such determination by the Board, such instruments shall be signed by the Treasurer or Secretary and countersigned by the Executive Director or Vice President of the Organization.

Section 4. **Deposits.** All funds of the Organization shall be deposited from time to time to the credit of the Organization in such banks, trust companies, or other depositories as the Executive Board may select.

Section 5. **Gifts.** The Executive Board may accept on behalf of the Organization any contribution, gifts, bequest or devise for the general purposes or of any special purpose of the Organization.

ARTICLE VIII Certificates of Membership

Section 1. **Certificates of Membership.** The Executive Board may provide for issuance of certificates evidencing membership in the Organization, which shall be such form as may be determined by the Board. Such certificates shall be signed by the President, Vice President or Secretary. The name and address of each member and the date of issuance of the certificates shall be entered on the records of the Organization. If any certificate shall become lost, mutilated, or destroyed, a new certificate may be issued therefore upon such terms and conditions as the Executive board may determine.

Section 2. **Issuance of Certificates.** When a member has paid any initiation fee and dues that may be required, a certificate of membership shall be issued in his/her name and delivered to him by the Secretary, if the Board shall have provided for the issuance of certificates of membership under the provisions of Section 1 of Article VIII.

ARTICLE IX Book and Records

The Organization shall keep correct and complete books and records of account and shall keep minutes of the proceedings of its members and Executive Board, and shall keep at its registered principal office a record giving the names and addresses of members entitled to vote. All books and records of the Organization may be inspected by any member, or his agent or attorney, for any proper purpose at any reasonable time.

Section 13. **Pulling Director.** The Pulling Director shall, in general supervise the pulling division of the NR/CTPA in conjunction with the Executive Board. This shall include both event management and any Regular or Special meetings (Article V, Sections 4 and 5).

Section 14. **Assistant Pulling Director.** The Assistant Pulling Director shall, in general assist the Pulling Director with both event management and any Regular or Special meetings (Article V, Sections 4 and 5). In the absence of the Pulling Director, The Assistant Pulling Director will take charge.

Section 15. **Division Directors.** The Division Directors shall, in general, work with the Executive Board on all association issues. They are responsible for attending at least one NR/CTPA event (World Championships or Spring Nationals). They are also responsible for submitting a newsletter report for each issue.

Section 16. The President, Vice President, Executive Director, Secretary, Treasurer, Pulling Director, Assistant Pulling Director, Monster Truck Director, Assistant Monster Truck Director, and all Division Directors of the NR/CTPA may hold and office in an NR/CTPA affiliated manufacturer and/or and affiliated club while holding office in the NR/CTPA. If and electee holds an office with a manufacturer or is producing a product with the intent to resell the product for use in NR/CTPA competition, the electee must not vote on any issues that directly relate to their product. Failure to act as such shall result in removal from NR/CTPA office as outlined in Article VI, Section 3 of these bylaws.

ARTICLE VII

Contract, Checks, Deposits and Funds

Section 1. **Contracts.** The Executive Board may authorize any officer or officers, agent or agents of the Organization, in addition to the officers so authorized by these bylaws, to enter into any contract or execute and deliver any instrument in the name or and on behalf of the Organization, and such authority may be general or confined to specific instances.

Section 2. **Annual Budget.** The President will be responsible for constructing an annual operating budget for the Organization under the direction of the Executive Board. The operating budget must be approved by the majority of the Executive Board.

Section 3. **Check, Drafts, Etc.** All checks, drafts or order for the payment of money, notes, or other evidence of indebtedness issued in the name of the Organization, shall be signed by such officer or officers, agent or agents, of the Organization and in such a manner as shall be reviewed by the Executive Di-

Motor levels and rules

As you look through the rulebook you will see the following names used for motors. Please refer to these pages for definitions and clarifications of motor levels. Any variance of these rules will be listed in the class rules.

Stock:

Are to be motors that are R/C motors with non-adjustable end bells. These motors will be labeled as ROAR motors. Rebuildable stock motors will have an identification mark on the can and armature. These marks will either be the ROAR name or the manufacturers name along with the number 27. You can not tamper with, in any way, the timing adjustments, which include the use of cut brushes that will affect the timing. Ball bearings, external magnets, internal Cobalt or neodymium magnets are not permitted. You are allowed to machine the commutator with a comm. stick or a stock comm. lathe only. No opening of a motor with a staked end bell. You may disassemble rebuildable stock motor for maintenance. Other than machining the commutator you may not alter rebuildable motors. This includes swapping end bells, cans or armatures. You are allowed to change springs and brushes in the motor. The end bell must have a bushing.

Econo Modified:

Are to be motors that are readily available R/C motors. These shall be 05 can size modified motors. These may have ball bearings and adjustable timing. External magnets, internal Cobalt or neodymium magnets are not permitted. You are allowed to machine the commutator with a comm. stick or with a comm. lathe. The 4.5mm X 5mm brush and hood, "readily available R/C motor accessory" also known as the "P-94" brush hoods may be used. Motors from Stock may also be used.

Sport Modified:

Are to be motors that are readily available R/C motors. These shall be 05 can size motors with a minimum of 17 turn armature. These may have ball bearings and adjustable timing. External magnets, internal Cobalt or neodymium magnets are not permitted. Motors are to be a brushed motor. You are allowed to machine the commutator with a comm. stick or with a comm. lathe. The 4.5mm X 5mm brush and hood, "readily available R/C motor accessory" also known as the "P-94" brush hoods may be used. Motors from Stock may also be used.

Modified:

Are to be motors that are R/C motors. This level motor may have an adjustable end bell. This level of motors are allowed to have adjustable timing, modified or cut brushes, and ball bearings. The commutator is allowed to be machined. The output shaft is allowed to be shortened and/or have a flat spot machined in it. Drilling holes in the end-bells is allowed in order to cool motor. Maximum diameter is 2 ¼ inches. Maximum length is 3 ½ inches. The Astroflight Pullmaster I and Pullmaster IV are allowed in this level until further notice. Motors from Stock, and Econo Mod are allowed. Brushless motors are allowed at this level.

Open II:

These motors must be approved by the NR/CTPA. These are to be motors that are R/C motors with an adjustable end-bell. Maximum total wattage of all motors must not exceed 3100 watts. This level of motors are allowed to have adjustable timing, modified or cut brushes, and ball bearings. The commutator is allowed to be machined. The output shaft is allowed to be shortened and/or have a flat spot machined in it. Drilling holes in the end-bells is allowed in order to cool motor. Maximum diameter is 2 ¼ inches. Maximum length is 3 ½ inches. At print time the list of approved motors is Astroflight Pullmaster III, and IV, Astroflight 25, 40 and 60, Astroflight Sport, Finedesign, and Graupner.

Secretary and such other duties as from time to time may be assigned to him/her by the President or Executive Board. The Secretary may not reside in the same household as the President or Treasurer of the Organization.

Section 8. **Treasurer.** If required by the Board, Treasurer will give bond for the faithful discharge of his/her duties in such sum and with such surety as the Board shall determine. The Treasurer shall maintain the financial records of the Organization; receive and give receipts for money due and payable to the Organization from any source whatsoever, and deposit all such monies in the name of the Organization in such banks, trust companies or other depositories as shall be selected in accordance with the provisions of Article IV of these bylaws; and, in general, perform all duties incident to the office of Secretary and such other duties as from time to time may be assigned to him/her by the President or Executive Board. The Treasurer may not reside in the same household as the President or Secretary of the Organization.

Section 9. **Assistant Secretary/Treasurer.** If required by the Board, the Assistant Secretary/Treasurer shall give bonds for his/her faithful discharge of their duties in such sums and with such sureties as the Board shall determine. The Assistant Secretary/Treasurer, in general, shall perform such duties as shall be assigned to them by the Secretary, Treasurer, or by the President or Executive Board.

Section 10. **Executive Director.** The Executive Director shall, in general, supervise and control all of the business affairs of the Organization in conjunction with the President. He/she may sign, with the President or any other proper officer of the Organization authorized by the board, any deeds, mortgages, bonds, contracts, except in such cases where the signing and execution thereof shall be expressly delegated by the Board, or by these bylaws or by statute to some other officer or agent of the Organization; and, in general, he/she shall perform all duties as may be prescribed by the President or Executive Board from time to time.

Section 11. **Monster Truck Director.** The Monster Truck Director shall, in general supervise the monster truck division of the NR/CTPA in conjunction with the Executive Board. This shall include both event management and any Regular or Special meetings (Article V, Sections 4 and 5).

Section 12. **Assistant Monster Truck Director.** The Assistant Monster Truck Director shall, in general assist the Monster Truck Director with both event management and any Regular or Special meetings (Article V, Sections 4 and 5). In the absence of the Monster Truck Director, The Assistant Monster Truck Director will take charge.

Section 3. **Removal.** Any Executive Officer elected by the members may be removed with just cause by the affirmative vote of 2/3 of the members of record. The removal of an Executive officer shall also constitute his/her removal as a Director. Any officer appointed by the Board may be removed by the Board whenever in its judgment the best interest of the Organization would be served thereby. Removal of an officer or Appointed officer shall be without prejudice to the contract rights, if any, of the officer so removed.

Section 4. **Vacancies.** A vacancy in any office because of death, resignation, removal, disqualification, or otherwise may be filled by the Board for the unexpired portion of the term.

Section 5. **President.** The President shall be the principal Executive officer of the Organization and shall, in general, supervise and control all of the business and affairs of the Organization in conjunction with the Executive Director. He/she shall preside at all meetings of the members and of the Executive Board. He may sign, with the Executive Director or any other proper officer of the Organization authorized by the board, any deeds, mortgages, bonds, contracts, or other instruments which the Board has authorized to be executed, except in cases where the signing and execution thereof shall be expressly delegated by the Board, or by these bylaws or by statute to some other officer or agent of the Organization; and in general he/she shall perform all duties incident to the office of the President and such other duties as may be prescribed by the Board from time to time. The President may not reside in the same household as the Secretary or Treasurer of the Organization.

Section 6. **Vice President.** In the absence of the President or in the event of his/her inability or refusal to act, the Vice President shall perform the duties of the President, and when so acting shall have all the same powers of and be subject to all the restrictions upon the President. The Vice President shall perform such other duties as from time to time may be assigned to him/her by the President or Executive Board.

Section 7. **Secretary.** If required by the Board, Secretary will give bond for the faithful discharge of his/her duties in such sum and with such surety as the Board shall determine. The Secretary shall keep minutes of the meeting of members and of the Board in one or more books provided for that purpose; so that all notices and reports are duly given in accordance of these bylaws or as required by law; be custodian of the Organizations records; keep a register of the post office address of each member which shall be furnished to the Secretary by such member; shall receive and give receipts for money due and payable to the Organization from any source whatsoever, and deposit all such monies in the name of the Organization in such banks, trust companies or other depositories as shall be selected in accordance with the provisions of Article IV of these bylaws; and, in general, perform all duties incident to the office of

Frequency charts and rules

27 MHZ	
A1	26.995
A2	27.045
A3	27.095
A4	27.145
A5	27.195
A6	27.255

75 MHZ	
61	75.41
62	75.43
63	75.45
64	75.47
65	75.49
66	75.51
67	75.53
68	75.55
69	75.57
70	75.59
71	75.61
72	75.63
73	75.65
74	75.67
75	75.69
76	75.71
77	75.73
78	75.75
79	75.77
80	75.79
81	75.81
82	75.83
83	75.85
84	75.87
85	75.89
86	75.91
87	75.93
88	75.95
89	75.97
90	75.99

Each class is limited to what frequency's it may use. Below is listed the frequency channels and what classes that may use them.

Digital Spectrum Modulation (DSM)

Radio equipment using DSM technology is permitted in all divisions and in all classes.

Pulling Division

All Pullers are limited to the following channels:
A1, A3, A4, A6, 62, 63, 64, 68, 69, 70, 72, 73, 74, 76, 77, 78, 80, 82, 84, 88, and 90

Racing Division

4WD Modified, Sport Modified, and Retro are limited to the following channels:
A2, A5, 61, 66, 71, 81, 83, and 86

The remainder of the racing classes may use the following channels:
A2, A5, 65, 67, 75, 79, 85, 87, and 89

Proper use

It is the responsibility of each participant to use the proper frequency. Failure to use the correct frequency may result in penalties or even disqualification from event. The penalty is up to the host club and shall be announced prior to the start of the event.

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Section 13. **Class Deletion Process.** All classes must have a minimum of three (3) entries. If classes drop below this minimum consistently they should be brought to the next Town Hall Meeting for review. At this point the class/ classes will be placed on a one year probation period. During this period the class/classes shall be run as an Exhibition class with Exhibition guidelines for awards. The Executive Board will monitor the class/classes for growth. At the end of the probation period if the class has not shown sufficient growth it will be taken before its respective division (pulling or racing). They will then decide if the class should be deleted, if it should continue on as exhibition, or if it should return to normal status.

ARTICLE VI Officers

Section 1. **Officers.** The Executive officers of the organization shall be a President, Vice President, Secretary, Treasurer, Executive Director, Pulling Director, and Monster Truck Director. The Executive Board may appoint such other officers including one or more Assistant Secretary/Treasurer, Assistant Pulling Director, or Assistant Monster Truck Director, as it shall deem desirable. Such offices have the authority to perform the duties prescribed, from time to time, by the Board of Directors. Assistants to the officers may be appointed by the Board, but shall not have a vote on the Board. No two offices may be held by the same person.

Section 2. **Election and Term of Office.** The positions of President, Vice President, Secretary, Treasurer, and Executive Director shall be elected every two (2) years by the members of record. The Pulling and Monster Truck Directors shall be elected every two (2) years by the members of their respective division (provisions for election of one half of the divisional directors each year will give each director a two year term).

A. **Assistant Pulling Director and Assistant Monster Truck Director.** These positions will be filled by voting of the respective division's directors along with the President, Vice President, Secretary, Treasurer, and Executive Director. This election is to take place within ninety (90) days of the officers taking office. Once the newly elected division directors take office the officers that were the Assistants will assume the position of Director of their respective division.

Additional offices may be created and filled by the Executive Board at any regular or special meeting. Each officer shall hold office until his/her successor shall have been duly elected or appointed and shall have qualified. All records and finances of the organization will be transferred to the new President, Secretary, and Treasurer. Upon vacancy the Executive Board will appoint replacements with a majority vote.

Section 5. **Special Meetings.** Special meetings of the Executive Board may be called by or at the request of the President, or any three (3) directors. The time and place to be determined to be most convenient for the Directors.

Section 6. **Notice of Meeting.** Executive Board shall be given at least two (2) weeks previous there to by written notice delivery personally sent by mail to each Director to his address as shown by the records of the Organization. If mailed such notice shall be deemed to be delivered when deposited in the United States mail in a sealed envelope so addressed, with postage thereon pre-paid. Any Director may waive notice of any meeting. The attendance of a Director at any meeting shall constitute a waiver of notice of such meeting, except where a Director attends a meeting for the express purpose of objecting to the transaction of any business because the business is not lawfully called or convened. Neither the business to be transacted at, no the purpose of such meeting, unless specifically required by law or these bylaws.

Section 7. **Quorum.** A majority of the Executive Board shall constitute a quorum of the transaction at any meeting of the board; but, if less than a majority of the Directors are present at said meeting, a majority of the Directors present may adjourn the meeting from time to time without further notice.

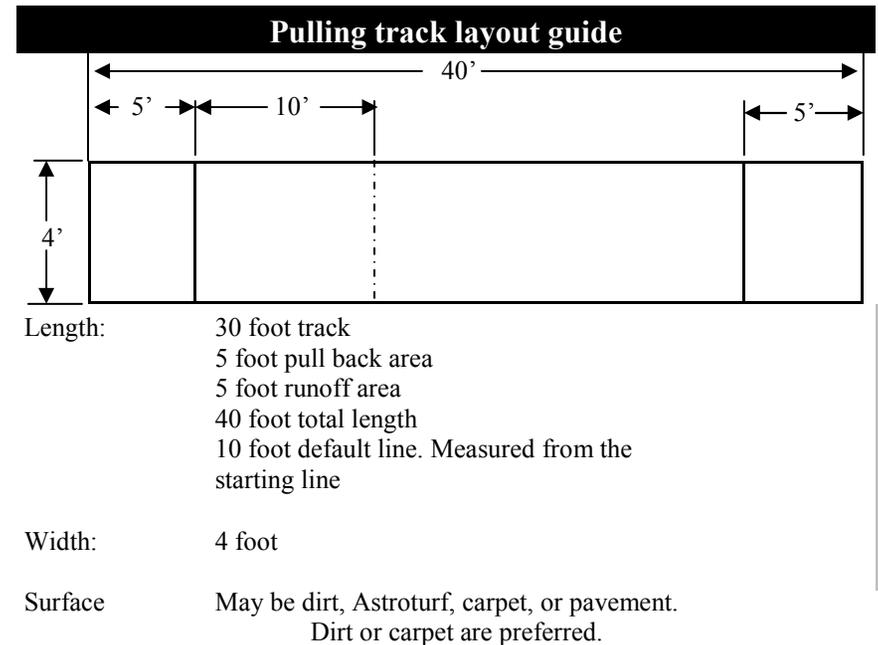
Section 8. **Manner of Acting.** The act of a majority of the Directors present at a meeting at which a quorum is present shall be the act of the Executive Board, unless the act of a greater number is required by law or by these bylaws.

Section 9. **Vacancies.** Any vacancy occurring in the Executive Board and any directorship to be filled by the reason of an increase in the number of Directors, may be filled by the affirmative vote of a majority of the remaining Directors, though less than a quorum of the Board. A Director elected to fill a vacancy shall be elected for the expired term of his/her predecessor in office.

Section 10. **Compensation.** Directors as such shall not receive any stated salaries for their services, but by the resolution of the Executive Board a fixed sum and expenses of attendance, if any, may be allowed for attendance at each regular or special meeting of the Board; but nothing herein contained shall be construed to preclude any Director from serving the Organization in any other capacity and receiving compensation therefore.

Section 11. **Informal Action by Directors.** Any action required by law to be taken at a meeting of Directors, or any action which may be taken at a meeting of Directors, may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the directors.

Section 12. **Removal of Directors.** Any Director may be removed, with or without cause, in the same manner as provided for removal of officers under ARTICLE VI Section 3, of these bylaws.



Pulling General Rules

1. Each puller has the option to restart his/her pull if he/she stops before the front of the sled reaches the 10 foot default line on both carpet and dirt tracks in round one only. If this option is taken you must re-hook immediately with no vehicle adjustments, only driving adjustments. You will be allowed two minutes to start your pull once the Track Official calls you to the track. The exception to the two minute limit is if the participant is required at another track. If your vehicle does not make it off the line, you will have the opportunity to make vehicle adjustments on or off the track. On dirt if you make any changes to the vehicle, the vehicle must have re-inspection by tech officials before second attempt is made. If vehicle leaves the track surface for repairs, you will be rotated down in the field and if you are the last puller you will have five minutes to return or you will be disqualified for that round. The repair procedure will be announced at the drivers meeting.
2. The order of pullers in each class may be determined by the order of registration. Random drawing at the event is preferred. This is up to the host club or Event Director.
3. Start and finish of each pull shall be determined by an official starter using an audible or visual signal such as a whistle, flags, and lights. The type of signal will be announced at the drivers meeting.
4. All sleds are to be chain drive except for the Digger class may use a string drive sled. Sleds are not allowed to lock up before the finish line. The pull

chain will be 8" long and attached to the center of the skid plate no higher than ¾" above the track surface. The length of the pull chain is measured from the skid plate to the inside of the hook. No twisting of the chain is permitted. All sled used for liquid propelled vehicles shall have a second chain or strap firmly attached to hook to vehicles using a tether or kill switch. Distance pulled will be considered the distance the sled is pulled down the track. All sleds will have an indelible mark in which to measure to. The mark will be on the center of the front of the skid plate. This point will be known as the "zero" point. The front of the sleds skid plate is "front" of the measurement point. The distance can be measured using the front of the skid plate or may be measured using two points in which to measure. For example the distance can be measured using the back of the sled as long as the zero point is known when the front of the skid plate is on the starting line.

5. If the pulling sled malfunctions at any time during a pull, that pull will be null and void. The participant will be allowed to recharge the batteries and re-pull at a time determined by the track officials. Sled malfunctions will only be determined by the track officials.
6. If any item falls off of the vehicle, the vehicle flips over backwards or sideways, the vehicle will be stopped at that point. If the sled passes the vehicles part on the track the measurement with a 12 inch penalty will apply from the spot where the part lies. This shall also apply to the exhaust elimination system when an overhead elimination system is used.
7. During a pull if any part of a vehicle touches, hangs over the sideboards, or crosses over the edge of the pulling surface the vehicle will be disqualified for that round.
8. Intentional jerking of the pulling sled will disqualify the vehicle for that round. Intentional jerking will be determined by the Head Track Official.
9. A 30 second time limit is to be imposed for the length of time to compete a pull from the start of the signal. If a vehicle has not completed the distance or has been stopped by the sled prior to the 30 seconds, it will be signaled to stop. A measurement will be taken from that point. If a vehicle restarts according to Pulling General rule number one, the clock will be reset and started again at the signal.
10. The only person allowed in the track area once the vehicle has started its pull shall be the driver and Track Official. No assistance is permitted, either verbally or through hand signals in the direction of the vehicle. Pit crew will be allowed to assist with the vehicle in the hooking, unhooking, turning on, turning off, and adjustments only. This shall include helping the driver prepare the vehicle to make its run especially in the larger classes, which are more dangerous. The Pit Crew must leave the prior to the pull starting. Any violation will result in a disqualification of the vehicle for that round. Violations will be determined by the Track Official. Participants with disabilities and children under ten will be an exception to this rule.
11. For indoor events when an exhaust elimination system is used, all vehicles

ARTICLE V Executive Board

Section 1. **General Powers.** The affairs of the Organization shall be managed by the Executive Board. Each Director must be a member and or officer or director.

Section 2. **Number, Tenure, and Qualifications.** The number of directors shall be seventeen (17). Those persons elected or appointed to serve as President, Vice President, Secretary, Treasurer, and Executive Director of the Organization shall constitute five (5) of the seventeen (17) members of the Executive Board and shall automatically be Directors by virtue of their respective offices. Division Directors, elected by their respective divisions, shall comprise the remaining twelve (12) (6 directors for each pulling and racing divisions) members of the board. Each director shall be elected every two (2) years, and shall hold the office until his/her successor shall have been elected and qualified. The numbers of directors may be less than seventeen (17) in the event that Directors cannot be secured for a division.

Section 3. **Standing Committees.** There shall be three (3) standing committees of the Executive Board. All acts of these committees must have majority vote of the Executive Board before final approval.

- A. **Rulebook Committee.** Will enact and/or modify the official rulebook to prompt fair, healthy competition and to allow for changes in the R/C industry.
- B. **Event Committee.** The Event Committee shall consist of the President, Vice President, Secretary, Treasurer, Executive Director, Pulling Director, Assistant Pulling Director, Monster Truck Director, and Assistant Monster Truck Director. The Event Committee shall establish guideline handbook of recommendations for hosting national/sanctioned events. Handbook will define the role of the Organizations involvement in the event; provide a listing of possible national sponsors with address and telephone numbers, and recommendations for making the event successful and safe. The Event Committee, under direction of the Executive Board, shall also establish sanctioning policies, procedures, and materials and shall approve or disapprove event sanction applications according to such policies.
- C. **Publicity and Promotion.** Help promote the R/C Pulling and Monster/Tuff Truck Racing industry and encourage membership in the Organization.

Section 4. **Regular Meetings.** A regular meeting of the Executive Board shall be held at a place and time convenient for the Directors.

- B. Having caused, with intent of malice, any personal injury to any member, spectator, or other person engaged by the Organization, or damage to any equipment of said people and/or Organization.

Section 4. **Reinstatement.** Upon written request signed by the president of a former Affiliated Club and filed with the Secretary, the Executive Board may, by affirmative vote of three-fifths (3/5) of the members of the board, reinstate the Charter of such former Affiliated Club upon such terms as the Executive Board may deem appropriate.

Section 5. **Transfer of Charter.** Affiliated Club charters in this Organization are not transferable or assignable.

Section 6. **Charter Certificates.** The Executive Board may provide for issuance of Charter Certificates to Affiliated Clubs evidencing membership in the Organization, which shall be in such a form as determined by the Executive Board. Such certificates shall be signed by the President, Vice President, or Secretary. The name and address of each Affiliated Club and the date of issuance of the charter certificates shall be entered on the records of the Organization. If any certificate shall become lost, mutilated, or destroyed, a new certificate may be issued therefore upon such terms and conditions as the Executive Board may determine.

ARTICLE IV Reporting to the Membership

Section 1. **Annual Report.** The Organization shall publish and provide to all members of record, an annual report listing the financial status of the Organization, the future plans and past decisions. This report must be sent to the members by the last week in February following the close of the fiscal year. Any matters to be brought before the membership can be published in this annual report.

Section 2. **Special Reports/Elections.** The Organization shall publish and provide to all members of record any special reports of items of concern to the general membership, including special elections or votes with a majority vote by the Executive Board.

Section 3. **Manner of Acting.** A majority of the votes entitled to be cast on a matter to be voted upon by the members of record shall be necessary for the adoption thereof unless a greater proportion is required by law or by these By-laws.

must be able to adapt to the exhaust system. The current exhaust system has a 4 inch hose that hangs over the vehicle. The vehicle is required to attach to that hose. The attachment need not be air tight but is required to direct exhaust into the hose.

12. Fuel for gasoline vehicles may not be more than 94 octane. The gasoline may not contain any additives other than the two cycle engine oil. All of the fuel shall be contained within the fuel system.

Digger

Weight	Motor Level	Drive	Length	Battery	Surface
3lbs	Stock	2WD	Stock	6 Cell	Dirt

- Motor:** Maximum of one *Stock* motor.
- Battery:** 6 cell “C” size maximum, ½ sub “C” minimum
- Chassis:** Must be in stock configuration. Parts may be missing. Holes may be drilled for mounts only. All unused non-factory holes must be filled with epoxy so as to maintain factory weight. Aluminum hubs are allowed.
- Tires:** Rear tires are to be a maximum 3 ½” diameter, and a maximum of 2” wide. Front tires are to be a maximum of 2 ½”, the stock tire size. The minimum front tire size is 1 3/8”
- Weight:** Maximum weight is 3lbs.
- Dimensions:** Maximum vehicle width is 9 inches.
- Wheelbase:** Wheel base is 8 inches and stock for this vehicle.
- Hitch:** Hitch is the wheelie bar. Rollers may be added for horizontal adjustment. The aluminum bar may be replaced with a plastic bar.
- Body:** Factory replacement body or any 1/12 scale body. The body is to be the furthest item forward.
- Other:** The spur gear shall be no larger than a 64 tooth 32 pitch. The pinion gear shall be no smaller than a 6 tooth 32 pitch.

Section 5. **Voting Rights.** Each regular member who is in good standing shall be entitled to one vote on each matter submitted to a vote of the members.

Section 6. **Termination of Membership.** Any member may be expelled or suspended from the Organization by action of the Executive Board upon the following conditions.

- A. If, after due notice and hearing by the Executive Board, any member shall be found to have failed or refused to comply with any of the rules or regulations of the Organization or any agreement entered into with the organization in conformity with the bylaws of the Organization.
- B. Having caused, with intent or malice any personal injury to any member, spectator, or other person engaged by the Organization, or damage to any equipment of said people and/or Organization.

Section 7. **Reinstatement.** Upon written request signed by former member and filed with the Secretary, the Executive Board may, by the affirmative vote of three-fifths (3/5) of the members of the board, reinstate such a former to membership upon such terms as the Executive Board may deem appropriate.

Section 8. **Transfer of Membership.** Membership in this Organization is not transferable or assignable.

ARTICLE III Affiliated Clubs

Section 1. **Application for Charter.** Applicants for Affiliated Club Shall file with the Organization a written application on such form as shall be prescribed by the Executive Board, together with payment of such initial fees or dues as may be required pursuant to formal action of the Executive Board taken from time to time.

Section 2. **Voting Rights.** Affiliated Club members who are members of the NR/CTPA shall be given voting privileges as outlined in Article II Section 2 of these bylaws.

Section 3. **Termination of Charter.** Any Affiliated Club may be expelled or suspended from the Organization by action of the Executive Board up on the following conditions.

- A. If, after due notice and hearing by the Executive Board, any Affiliated Club shall be found to have failed or refused to comply with any of the rules or regulations of the Organization or any agreement entered into with the Organization in conformity with the bylaws of the Organization.

good standing from all divisions of the Association. Each division may hold separate or combined meetings to give input covering guidelines on the following only; Equipment used, classes, along with general class rule changes.

- A. The process guidelines are as follows.
 - a. Proposal must be in writing
 - b. Proposal must have signatures from five current members in good standing that support it.
 - c. Proposal to be presented at the Town Hall Meeting for further review by the Executive Board and members in attendance.

- B. Topics for review that do not follow the above guidelines will NOT be added to the meeting Agenda.
 - d. All members in attendance will be allowed to have input following the guidelines of ARTICLE V SECTION 2 A. (Standing Committee). All acts of the above committee must have a majority vote of the Executive board before final approval. ARTICLE V SECTION 2-A-a (Rulebook Committee) The President, Vice President, Secretary, Treasurer, Executive Director, Assistant Pulling Director, Monster Truck Director, and elected Division Directors under ARTICLE V SECTION 2.
 - i. The President, Vice President, Executive Director, Secretary and Treasurer will vote on all issues.
 - ii. The Pulling Division Director, Assistant Pulling Director, along with the Pulling Division Officers will vote on pulling issues.
 - iii. The Racing Division Director, Assistant Racing Director, along with the Racing Division Officers will vote on racing issues.

- C. The Executive Board will review and modify, as needed, all final wording to be printed for all ballot sheets. This is to be completed during a closed door Executive Board meeting following ARTICLE V SECTION 5. (Notice of Meeting) Meeting time and place will be at the discretion of the NR/CTPA Executive Board. Final approval for all revisions must be reviewed and completed by the Executive Board not to exceed one hundred twenty days for the date of the Town Hall Meeting. The Executive Board will approve or deny voting before them using majority vote.
 - e. Notice of the above meeting may be sent using any of the following: World Wide Web, Telephone, US Mail or any other communication method.

Dirt Garden Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
4 lbs	Modified	2WD	12 inches	6 cell	Dirt

- Motor:** Maximum of one *Modified* motor with a maximum MSRP of \$115.00. No motors larger than a 550 can, Astroflight Pullmaster I, or an equivalent.

- Battery:** 6 cell “C” size maximum.

- Chassis:** May be factory production or scratch built.

- Tires:** Maximum rear tire diameter is 4 inches. Maximum rear tire width is 2 ¾ inches. Minimum front tire diameter of 1 inch. Rear tires must have “V” bar tread pattern. TLT tires are acceptable.

- Weight:** 4lbs maximum.

- Dimensions:** Maximum vehicle length of 12 inches. Length is measured from the rearmost part of the hitch to the furthest point forward.

- Wheelbase:** Maximum of 9 inches.

- Hitch:** Maximum hitch height of 4 inches.

- Body:** Will have the appearance of a scale stock or modified garden tractor.

- Wheelie Bar:** Vehicle may have wheelie bars. The wheelie bars may not extend more than 2 inches past the rearmost portion of the hitch. Wheels may be replaced with skid pads.

- Other:** A maximum of one gear drop. This is the drop from the motor pinion to the rear axle spur gear.

Outlaw Garden Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
4 lbs.	Modified*	2WD	13 inches	6 cell	Carpet

- Motor:** Maximum of one *Modified* Motor with a maximum MSRP of \$95.00. Maximum motor size .05.
- Battery:** 6 cell “C” size maximum.
- Chassis:** Can be factory production or scratch built. No limit on gears.
- Tires:** Rear tires are to be a maximum 3 ½” diameter, and a maximum of 2 ¾” wide. Front tires are to be a minimum tire height of 1”. The minimum front tire size is 1 3/8”
- Weight:** Maximum vehicle weight is 4 lbs.
- Dimensions:** Maximum length is 13 inches. The furthest point forward from the center of rear axle shall be no further than 11 ½ inches.
- Wheelbase:** 9” Maximum.
- Hitch:** Maximum hitch height is 2 inches.
- Body:** Will have the appearance of a scale stock or modified garden tractor.

ARTICLE II Members

Section 1. **Application for Membership.** Applicants for membership shall file with the Organization a written application on such forms as shall be prescribed by the Executive Board, together with the payment of such initial fees or dues as may be required pursuant to formal action of the Executive Board taken from time to time.

Section 2. **Voting Rights.** Each regular member who is in good standing shall be entitled to one vote on each matter submitted to a vote of the members.

Section 3. **Proposing a New Class.** Any current member, in good standing, of the Association may request a new class be started for the pulling or racing division following these guidelines below.

- A. Present a written proposal (Article II Section 4. Town Hall Meeting for proposal procedure) to the Executive Board during the Association yearly meeting with the following information.
 - a. All vehicle dimensions, maximum length and width. Any measurements that may apply for distance.
 - b. Maximum wheelbase.
 - c. List motor information. For example the quantity, level, MSRP and all other limitations. For fuel propelled vehicles you must list the type of fuel, engine size and quantity.
 - d. List all tire information. For example the tread type, the minimum and maximum sizes, and any modifications that can or can't be made.
 - e. Maximum battery size and quantity of cells.
 - f. List what that chassis may consist of.
 - g. List the minimum or maximum vehicle weight.
 - h. List what surface the class will be competing on.
- B. There must be a minimum of three vehicles running as exhibition before the class can be proposed.
- C. If the proposed class is approved by a vote of the membership, it will run under an exhibition status for a period of twelve (12) months. At that time it will be reviewed again by the Executive Board. If the class shows merit, the Executive board will vote if the class should be added to the ballot sheet for membership approval.
- D. If it is determined that the class has not shown interest, the Executive Board may vote for it to continue in exhibition for an addition amount of time or remove it from exhibition status.

Section 4. **Town Hall Meeting.** Once per year the Executive Board of the NR/CTPA will hold a Town Hall Meeting. This meeting is open to members in

The Bylaws

BYLAWS OF THE

NATIONAL RADIO CONTROL TRUCK PULLING ASSOCIATION (NR/CTPA)

APPROVED: March 1, 2008

Article I Offices

Section 1. **Principal Office.** The principal office of the National Radio Control Truck Pulling Association (NR/CTPA), hereinafter referred to as the Organization or Association shall be located in the city/state of residence of the acting president or in such a location as deemed suitable by the Executive Board. If necessary or convenient, this office may be located within the residence of the President.

Section 2. **NR/CTPA Property.** Any Property, materials, supplies and/or equipment owned by the organization shall remain in the possession of the President or other officers of the organization for the purpose of conducting Association business. The Organization shall retain ownership of said property and such property shall be transferred to incoming elected officials as deemed necessary to the Executive Board.

Section 3. **Personal Property.** Any property, materials, supplies and/or equipment owned by individual officers or members, but used for Organization business, shall not be considered NR/CTPA property and shall remain entirely in the possession of its rightful owner(s).

Section 4. **Office Supplies.** All materials, supplies and/or equipment needed by the Organization to conduct necessary business shall be purchased with Association funds. Officers and/or Executive Board members may be reimbursed by the Organization, as deemed appropriate by the Executive Board for out of pocket expenses incurred by the individual in the operation of Association business.

Section 5. **Other Offices.** The Organization may have other offices, either within or without the city/state of residence of the President, as the Executive Board may determine or as the affairs of the Organization may require from time to time.

2WD Truck

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs.	Econo Mod	2WD	19 inches	7 cells	Carpet

- Motor:** Maximum of one *Econo Modified* motor with a maximum MSRP of \$60.00.
- Battery:** 7 cells “C” size maximum.
- Chassis:** May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass, or plastic.
- Tires:** Rear tires are to be Tamiya “Wild Willies, Lunchbox, or Midnight Pumpkin” type tires only. Front tires are to be a minimum of 2 ¼” in diameter.
- Weight:** Maximum vehicle weight is 7 lbs.
- Dimensions:** Maximum length is 19 inches. Maximum width is 9 inches. The furthest point forward from the centerline of rear axle shall be no further than 15 inches.
- Wheelbase:** Maximum wheelbase of 11 ½ inches.
- Hitch:** 2 inch maximum hitch height.
- Body:** Must use a truck, van or car body only. All components must be under the body. Front tires must be in wheel opening.

Mini Rod

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs	Modified*	2WD	17 inches	8 cell	Dirt

Motor:	Maximum of one <i>Modified</i> motor with a maximum MSRP of \$95.00. May use an Astro Flight Pullmaster 05 or Pullmaster I.
Battery:	8 cell "C" size maximum.
Chassis:	May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass, or plastic.
Tires:	Maximum rear tire diameter is 5 ½ inches. Minimum rear tire diameter is 2 ½ inches. Maximum rear tire width is 3 ¾ inches. Rubber agricultural bar tread pattern only.
Weight:	Maximum vehicle weight is 7 lbs.
Dimensions:	Maximum vehicle length is 17 inches. Maximum vehicle width is 12 inches.
Hitch:	Maximum hitch height of 2 inches.

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Open Monster Truck

Weight	Motor Level	Drive	Length	Battery	Surface
No limit	No limit	4WD	No limit	See rules	Racing

- Motor:** No limitations.
- Battery:** Must be NiCD or NiMH.
- Chassis:** May be aftermarket, scratch built, kit or any combination of these.
- Tires:** Minimum tire diameter is 5 ½ inches.
- Weight:** No limitations.
- Dimensions:** No limitations.
- Wheelbase:** No limitations.
- Gearing:** Vehicle may have a two speed gear box
- Other:** It is the intent of this class for experimental ideas with fewer rules. This class is open to all makes of trucks that don't fit in any other class. All trucks must be 4 wheel drive.

Pro Stock Tractor

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Econo Mod	2WD	19 inches	7 cells	Dirt or Carpet

- Motor:** Maximum of one *Econo Modified* motor with a maximum MSRP of \$60.00.
- Battery:** 7 cells "C" size maximum. Battery shall be placed in a fashion so that it can not be seen from either side, front, rear or top of the tractor.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Rear tires are to be a maximum of 6 ½ inches. The Maximum tread width is 4 ½ inches. Must be agricultural single "V" type bar tire. Stock E-maxx tires are allowed. Tires are allowed to be cut for dirt pulling only.
- Weight:** Maximum tractor weight is 10 lbs. Any visible weight must be scale suitcase weights. These weights are allowed to stick out past the body within the maximum tractor width.
- Dimensions:** Maximum over all length is 19 inches. Maximum tractor width is 14 inches. Maximum tractor length is 18 ¾ inches. The wheelie bars may be ¼ inch past the rearmost part of the tractor. The furthest point forward shall be no further than 15 ½ inches from the center of rear axle.
- Wheelbase:** Maximum wheelbase is 11 ½ inches.
- Hitch:** Maximum hitch height of 2 inches.
- Body:** Must be a 1/10 scale Pro-stock or Super-stock Farm tractor body. Any make, model and year are allowed. Tractor may be built to resemble a four wheel drive tractor but must remain two wheel drive. Tractor must have fenders of some type. It is suggested, not required that the tractor should smoke, have a driver and a transmission blanket for realism.
- Front axle:** Front axle may be tricycle type with single or double tires. Front axle may also be a solid or pivoting type axle.
- Other:** Wheelie bars are suggested but not required. If wheelie bars are used, the wheels may be removed and/or replaced with skid pads.

Bar Tire Sportsman

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Econo Mod	2WD	24 inches	7 cell	Dirt or carpet

- Motor:** Maximum of one *Econo Modified* motor with a maximum MSRP of \$60.00.
- Battery:** 7 cells “C” size maximum.
- Chassis:** May be scratch built or a combination of kit components. May be built with any of the following; Steel, aluminum, fiberglass, or plastic.
- Tires:** Rear tires are to be a maximum diameter of 6 ½ inches with a minimum diameter of 3 inches. The maximum width for the rear tires is 4 ½ inches. Rubber bar agricultural tires only. Tires may be cut.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width for vehicles competing on dirt is 16 inches. The maximum vehicle width for vehicles competing on carpet is 14 inches.
- Hitch:** Maximum hitch height is 4 inches for dirt vehicles and 2 inches for carpet vehicles.

4WD Driveshaft

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
8 ½ lbs	Modified	4WD	14 inches	14 cell	Racing

- Motor:** Limit two *Modified* motors. There is no maximum MSRP in this class.
- Battery:** 14 cells “C” size maximum
- Chassis:** May be scratch built, aftermarket, or any combination of kit components.
- Tires:** Maximum tire diameter of 6 ½ inches. Maximum tire width of 4 ½ inches. Minimum tire diameter of 5 ½ inches. Minimum tire width of 3 inches.
- Weight:** Minimum vehicle weight is 8 ½ lbs.
- Wheelbase:** Maximum wheelbase is 14 inches with suspension compressed.
- Body:** Any car or truck lexan body is allowed.
- Driveline:** Transmission is to be centrally located in the chassis. Functional front and rear drive shafts are required to deliver the power to the axles. Straight solid differential housings are required. The following examples of kit vehicles have differential housings that are allowed in this class; Jugg1, Jugg2, Mad Force, Twin Force, TXT, XTM, or Xfactor. Vehicles with independent suspension are not permitted in this class.

4WD Modified

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
7 ¼ lbs	Modified	4WD	14 inches	14 cells	Racing

- Motor:** Limit of two *Modified* motors. There is no maximum MSRP in this class.
- Battery:** 14 cells “C” size maximum.
- Chassis:** May be aftermarket, scratch built, kit or any combination of these.
- Tires:** Maximum tire diameter is 6 ½ inches. The maximum tire width is 4 ½ inches. The minimum tire diameter is 5 ½ inches. The minimum tire width is 4 inches.
- Weight:** Minimum vehicle weight is 7 ¼ lbs.
- Wheelbase:** Maximum wheelbase is 14 inches when the suspension is compressed.
- Gearboxes:** Must have started life as a Clodbuster, or Bullhead gearbox.
- Other:** Class is limited to trucks without driveshafts.

2WD Pro Modified Electric

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Modified*	2WD	19 inches*	7 Cell	Dirt

- Motor:** Maximum of one *Modified* Motor with a maximum MSRP of \$115.00. Must be a 540 motor can.
- Battery:** 7 cells “C” size maximum.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum rear tire diameter is 5 ½ inches. Maximum rear tire width is 3 ¼ inches. Minimum front tire diameter is 2 inches.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 19 inches. This is to be measured from the rearmost portion of the hitch to the most forward part of the vehicle.
- Wheelbase:** Maximum wheelbase is 11 ½ inches.
- Hitch:** Maximum hitch height is 4 inches.
- Body:** Must use a truck, van or car body only.

2WD Open I

Weight	Motor Level	Drive	Length	Battery	Surface
12/15 lbs	Modified	2WD	24 inches	14 cell	Dirt or carpet

- Motor:** Maximum of one *Modified* motor with a maximum MSRP of \$95.00.
- Battery:** Maximum 14 “C” cells.
- Chassis:** May be scratch built or a combination of kit components.
- Tires:** Maximum rear tire diameter is 6 ½ inches. Minimum rear tire diameter is 2 ¾ inches. Maximum rear tire width is 4 ½ inches.
- Weight:** Maximum vehicle weight is 12 lbs for carpet vehicles and 15 lbs for dirt vehicles.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 14 inches for carpet vehicles and 16 inches for dirt vehicles.
- Hitch:** Maximum hitch height of 4 inches.

Tube Chassis

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
8 ½ lbs	Modified	4WD	14 inches	14 cells	Racing

- Motor:** Limit of two *Modified* motors. There is no maximum MSRP in this class.
- Battery:** 14 cells “C” size maximum.
- Chassis:** Must be a tube chassis. A chassis that is constructed of square, round, hollow or solid tubular stock. The component in which the gearboxes, suspension, radio equipment, battery, body and all other vehicle components are attached. For example the vehicle components cannot be attached to a pan with tubes running around it. The chassis may not be machined from a solid piece and shaped to appear like a tube chassis. These would not constitute a “tube chassis”. The chassis must be permanently fastened together and not secured with nuts, bolts, or screws. Must have and run a roll cage. The burden of the chassis design lies with the builder. If a questionable chassis is produced the validity of the design would fall on the owner. The proof would be a photo of the full size vehicle that the chassis replicates. The intent is to make a replica chassis.
- Tires:** Maximum tire diameter is 6 ½ inches. The maximum tire width is 4 ½ inches. The minimum tire diameter is 5 ½ inches. The minimum tire width is 4 inches.
- Weight:** Minimum vehicle weight is 8 ½ lbs.
- Wheelbase:** Maximum wheelbase is 14 inches when the suspension is compressed.
- Other:** Class is limited to trucks without driveshafts.

Sport Modified

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
7 ¼ lbs	Sport Mod.	4WD	14 inches	6 Cell	Racing

- Motor:** Maximum of two *Sport Modified* motors with a maximum MSRP of \$95.00 each.
- Battery:** 6 cells “C” size maximum
- Chassis:** May be scratch built, aftermarket, or any combination of kit components.
- Tires:** Must use uncut and unaltered Clodbuster tires.
- Weight:** Minimum vehicle weight is 7 ¼ lbs.
- Wheelbase:** Maximum wheelbase is 14 inches with suspension compressed.
- Body:** Any car or truck lexan body is allowed.
- Other:** Gear cases are to be stock gear case halves. Adjustable motor mounts are not permitted. Motor must mount to gear case in stock fashion. Gears must be stock for that vehicle. Must run a 13 tooth pinion gear.

2WD Open II

Weight	Motor Level	Drive	Length	Battery	Surface
20 lbs	Open II	2WD	28 inches	28 cells	Dirt or carpet

- Motor:** Maximum of 6 *Open II* motors. Each motor will have a maximum MSRP of \$325.00.
- Battery:** Maximum of 28 “D” size cells.
- Chassis:** May be scratch built or any combination of kit components.
- Tires:** Maximum rear tire diameter of 6 1/2 inches. Minimum rear tire diameter is 3 inches. Maximum rear tire width is 4 ½ inches.
- Weight:** Maximum vehicle weight is 20 lbs.
- Dimensions:** Maximum vehicle length is 28 inches. Maximum vehicle width is 16 inches.
- Hitch:** Maximum hitch height of 4 inches.

Big Rig

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs.	Econo Mod	Tandem	20 inches	7 cell	Dirt or carpet

- Motor:** Limit of one Econo Modified motor with a maximum MSRP of \$60.00.
- Battery:** 7 cells “C” size maximum.
- Chassis:** May be scratch built or a combination of kit components. May be built with any of the following: Steel, aluminum, fiberglass, or plastic.
- Tires:** All tires must be 1/10th scale. All four drive tires must be of the same size. Maximum tire width is 2 inches.
- Weight:** Maximum vehicle weight is 7 lbs.
- Dimensions:** Maximum vehicle length is 20 inches. Maximum vehicle width is 11 inches.
- Wheelbase:** No limit on the overall wheelbase except within the vehicle dimensions and body limitations. The rear axles are to be 3 ½ inches apart, center of axle to center of axle. There is a 1/16 inch variable plus or minus the 3 ½ inches.
- Hitch:** Maximum hitch height of 2 inches on carpet and 4 inches on dirt.
- Body:** Must be an 18 wheeler body. Tires must be located in the factory wheel openings. All components must be under the body.
- Other:** This class is to be tandem axle four wheel drive. The front axle must be fixed. No hinged or pivoting axles. The front axle is not to be driven.

4WD Super Stock Monster Truck

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
7 ¾ lbs	Econo Mod	4WD	Stock	7 cells	Racing

- Motor:** Limit of two *Econo Modified* motors with a maximum MSRP of \$60.00 each.
- Battery:** 7 cells “C” size maximum. Battery must be in the stock location or on top of chassis.
- Chassis:** May be stock or aftermarket Clodbuster chassis.
- Tires:** Maximum tire diameter is 6 ½ inches. The maximum tire width is 4 ½ inches. The minimum tire diameter is 5 ½ inches. The minimum tire width is 4 inches. Must run a “V” tread tire that is available in a factory production vehicle kit.
- Weight:** Minimum vehicle weight is 7 ¾ lbs.
- Wheelbase:** 11 inches maximum when compressed.
- Suspension:** May use oil shocks. Shock mounting positions must not differ from that of a stock Clodbuster chassis. Must use stock Clodbuster swing arms. No sway bar(s) permitted.
- Steering:** 2 or 4 wheel steering is permitted. Servo mounts may be changed. Steering may be upgraded with aftermarket parts.
- Gearboxes:** Must use stock gearboxes. May change the axles to aftermarket parts.

4WD Box Stock Monster Truck

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
8 lbs	See rules	4WD	Stock	6 cells	Racing

- Motor:** Limit of two motors. May use any of the following, stock motor, *Stock*, Kyosho Mega 360. or a Kyosho Magnetic Mayhem.
- Battery:** 6 cells “C” size maximum. Battery must be in stock location.
- Chassis:** The chassis and gearboxes must be original equipment for that vehicle. Vehicle must run the original equipment gears and pinions. No additional gearboxes are permitted. Vehicle must run original shocks and suspension without modifications. Monster truck conversions are not allowed. The use of straight axles is not allowed. Vehicle must have original chassis and it must be in stock location and direction. Vehicle must use 4 wheel steering.
- Tires:** Tires must be original equipment for that vehicle.
- Weight:** Minimum vehicle weight is 8 lbs.
- Wheelbase:** The wheelbase must be stock for that vehicle.
- Body:** May use a Lexan body.
- Other:** May change to an ESC.
- Examples:** Open to all types of 1/10 scale, 4WD steer trucks that fit the rules. Examples would be Clodbuster, TXT, Juggernauts and more.

4WD Pro Modified

Weight	Motor Level	Drive	Length	Battery	Surface
7 lbs	Econo Mod	4WD	21 inches	7 cells	carpet

- Motor:** Limit of one *Econo Modified* motor with a maximum MSRP of \$60.00.
- Battery:** 7 cell “C” size maximum, 2/3 sub “C” minimum. Battery must be located under body and not visible.
- Chassis:** May be a kit, scratch built, or a combination of both.
- Tires:** Maximum tire diameter is 3 ¼ inch. Minimum tire diameter is 2 ½ inches. Maximum tire width is 2 ½ inches. Minimum tire width is 1 ¾ inches. Tires must be rubber bar tread type. Cutting of tires is not allowed.
- Weight:** Maximum vehicle weight is 7 lbs. Weight covers are permitted.
- Dimensions:** Maximum vehicle length is 21 inches. Maximum vehicle width is 9 inches. The furthest point forward from the centerline of the rear axle shall be no more than 17 inches, or 6 inches from the centerline of the front axle.
- Wheelbase:** Wheelbase is not to be less than 10 inches or more than 11 inches.
- Hitch:** Maximum hitch height is 2 inches. Center of the hitch hole shall be no more than 2 ½ inches from the center of the rear axle.
- Body:** Must be 1/10 scale pickup truck body. Body must resemble a 4 wheel drive truck that is as realistic as possible to a 4X4 truck that you see at a full scale pulling event. If an alternate body, such as a balsa body is to be used, a Parma model number 10102 or 10103 shall be used as the template for the wheel openings. The rear wheel openings may not be cut beyond the factory lines. The front wheel openings must use the factory lines but may have the bottom corners trimmed for tire clearance. The wheels must fit the body wheel openings. The body may not be cut in order to make it longer or shorter. The body must have tailgate and grille.

4WD Modified Driveshaft

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Econo Mod	4WD	24 inches	7 cell	Dirt

- Motor:** Limit one *Econo Modified* motor with a maximum MSRP of \$60.00.
- Battery:** 7 cell “C” size maximum, 1000mHr 2/3 “C” minimum. Batteries must be concealed.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum tire diameter is 4 ½ inches. Maximum tire width is 2 ¾ inches. Tires may be cut. Maximum of four tires.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 11 ½ inches. The furthest point forward from the centerline of rear axle shall be no further than 20 inches.
- Wheelbase:** Maximum wheelbase is 11 ¾ inches.
- Hitch:** Maximum hitch height is 2 inches.
- Body:** Any scale appearing body is allowed. Wheels must be fit in the body wheel openings.
- Other:** This class will be for shaft drive trucks. No straight direct shafts allowed. A driveline that includes universal joints is required. Gear box must be located between the front and rear axles.

Retro

Weight	Motor Level	Drive	Length	Battery	Surface
8 lbs	Stock	4WD	Special	4 cells	Racing

- Motor:** Maximum of two motors from the following group; *Stock*, original motor, or Kyosho Magnetic Mayhem.
- Battery:** Must run 4 “sub C” cells.
- Chassis:** Four link suspensions are prohibited.
- Tires:** Must run Tamiya Clodbuster stock tires. Dual tires may be used if the intention is to replicate a vintage monster truck that used them. A photo may be required. Tires may not be cut or shaved.
- Weight:** Minimum vehicle weight is 8 lbs.
- Wheelbase:** Must be scaled from a full size pre 1990 Monster truck.
- Hitch:** Must pull a weighted sled.
- Body:** Must be a pre 1990’s body style and must replicate an actual full size monster truck.

Modified 4WD Independent Suspension

Weight	Motor Level	Drive	Battery	Surface
9 lbs	Modified	4WD	14 Cells	Racing

- Motor:** Limit of two *Modified* motors. There is no maximum MSRP in this class.
- Battery:** Maximum of 14 “Sub C” cells.
- Chassis:** The chassis, suspension, shocks, gears, and driveline may be replaced with aftermarket parts.
- Tires:** Minimum tire diameter is 5 ¼ inches. Minimum tire width is 2 ½ inches. Aftermarket tires are permitted.
- Weight:** Minimum vehicle weight is 9lbs.
- Examples:** Emaxx, Esavage, Ezilla, and USA-1.

4WD Scratchbuilt Truck

Weight	Motor Level	Drive	Length	Battery	Surface
10 lbs	Econo Mod	4WD	24 inches	7 cell	Dirt

- Motor:** Limit one *Econo Modified* motor with a maximum MSRP of \$60.00.
- Battery:** 7 cell “C” size maximum, 1000mHr 2/3 “C” minimum. Batteries must be concealed.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum tire diameter is 4 ½ inches. Maximum tire width is 2 ¾ inches. Tires may be cut. Maximum of four tires.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 11 ½ inches. The furthest point forward from the centerline of rear axle shall be no further than 20 inches.
- Wheelbase:** Maximum wheelbase is 11 ¾ inches.
- Hitch:** Maximum hitch height is 2 inches.
- Body:** Any scale appearing body is allowed. Wheels must be fit in the body wheel openings.
- Other:** This class will be any drive type trucks. Straight direct shafts allowed. Examples of the drive types are; chain drive, direct shaft, and belt drive.

Dual Motor Super Stock

Weight	Motor Level	Drive	Length	Battery	Surface
12	Econo Mod	4WD	19 ½ inches	7 cell	Dirt

- Motor:** Limit two *Econo Modified* motors with a maximum MSRP of \$60.00.
- Battery:** 7 cell “C” size maximum, ½ sub “C” minimum. Battery must be in stock location with battery box. Battery covers and holders may be removed to allow for a 7 cell battery pack.
- Chassis:** The chassis, gearbox and suspension must be original for that vehicle. Gears may not be changed except for the motor pinion. No additional gearboxes are permitted. Original suspension may be locked but without the use of strut bars. Gear boxes must be in original location and directions. The gear boxes may not be reversed. Steering servo may be relocated. The rear steering may be locked. Items not related to the suspension may be removed. All stock suspension must be present and that includes the shocks.
- Tires:** Maximum tire size is 6 ½ inches. Minimum tire size is 2 ¾ inches. Maximum tire width is 4 ½ inches.
- Weight:** Maximum vehicle weight is 12lbs.
- Dimensions:** Maximum vehicle length is 20 inches. Maximum vehicle width is 16 inches.
- Wheelbase:** Must be original for that vehicle.
- Hitch:** Maximum hitch height of 4 inches.
- Other:** This class is limited to factory production dual-motored 4WD vehicles.

Stock 4WD Independent Suspension

Weight	Motor Level	Drive	Battery	Surface
9 lbs	Stock*	4WD	12 cells	Racing

- Motor:** Maximum of two motors. Motors may be any brushed 550 can motor with no lower than 19 turns and a fixed end bell, or motors that comply with the Stock motor rules.
- Battery:** Maximum of 12 “Sub C” cells. Must be in stock location.
- Chassis:** Chassis must be stock for that vehicle.
- Tires:** Minimum tire diameter of 5 ¼ inches. Minimum tire width is 2 ½ inches.
- Weight:** Minimum vehicle weight is 9 lbs.
- Body:** Must use the stock body or a lexan replacement body.
- Other:** The following parts may be replaced with direct replacement components: drive shafts, shocks, springs, suspension arms, bumpers, skid plates, and bulkheads.

4WD Modified Tuff Truck

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
3 ¾-7 lbs	Modified	4WD	14 inches	7 cells	Racing

- Motor:** Maximum of two *Modified* motors. There is no MSRP limit in this class.
- Battery:** 7 cells “C” size maximum.
- Chassis:** May be scratch built, aftermarket, or any combination of kit components, gearboxes, and chassis. Pan car chassis are allowed.
- Tires:** Maximum tire diameter is 6 ½ inches. Maximum tire width is 4 ½ inches. Minimum tire diameter is 2 ½ inches. Any tread type allowed.
- Weight:** Minimum vehicle weight is 3 ¾ lbs. Maximum vehicle weight is 7 lbs.
- Wheelbase:** Not to exceed 14 inches when compressed.
- Body:** Must run a truck or utility type body.
- Examples:** Examples of vehicles are Twin Detonator, Wild Dagger, modified TLT’s, Stampede 4wd conversions.

4WD Box Stock

Weight	Motor Level	Drive	Length	Battery	Surface
14	Econo Mod	4WD	19 ½ inches	7 cell	Dirt

- Motor:** Limit two *Econo Modified* motors with a maximum MSRP of \$60.00.
- Battery:** 7 cell “C” size maximum, ½ sub “C” minimum. Battery must be in stock location with battery box. Battery covers and holders maybe removed to allow for a 7 cell battery pack.
- Chassis:** The chassis, gearbox and suspension must be original for that vehicle. Minimum pinion size is an 8 tooth 32 pitch and must be visible. Motor swing adapters are allowed. No additional gearboxes are permitted. Suspension may be locked at each wheel only. Aluminum steering mechanisms and gearbox braces are allowed. Rear wheel steering may be locked. Steering servo may be used and may be relocated. A ¼ scale steering servo is allowed. USA is allowed to use replacement dog bones from an R/C manufacturer. Items not related to the suspension may be removed. All stock suspension must be present and that includes the shocks.
- Tires:** All four tires must be of the same size and stock for that vehicle. Bar tires only. No street or foam tires. Cutting of tires is not allowed. Stuffing of tires is allowed.
- Weight:** Maximum vehicle weight is 14lbs. No weight past the front bumper.
- Dimensions:** Maximum vehicle length is 19 ½ inches. Maximum vehicle width is 16 inches.
- Wheelbase:** Must be original for that vehicle.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** May be changed to lexan but must resemble a real type truck. For example a Ford, Chevy, or Dodge ½ or ¾ ton pickup truck.
- Electronics:** An ESC is allowed.
- Other:** This class is limited to factory production dual-motored 4WD vehicles.

Dual Motor Modified

Weight	Motor Level	Drive	Length	Battery	Surface
18/20	Modified	4WD	24 inches	14 cells	Dirt or carpet

- Motor:** Limit of two *Modified* motors with a maximum MSRP of \$95.00.
- Battery:** 14 “D” cell maximum.
- Chassis:** Original or factory production replacement. Chassis may be altered or modified. Chassis may be lengthened. The chassis may be reinforced with steel, aluminum, fiberglass, plastic or any combination of these.
- Tires:** Maximum tire diameter is 6 ½ inches. Minimum tire diameter is 3 inches. Maximum tire width is 4 ½ inches.
- Weight:** Maximum vehicle weight is 18 lbs for a carpet vehicle and 20 for a dirt vehicle.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 16 inches.
- Hitch:** Maximum hitch height is 4 inches.
- Suspension:** Original or factory production replacements. Suspension may be altered, modified, or made rigid. Strut bars are allowed.
- Gearbox:** Original or factory production replacement gearbox for the vehicle. Gears may be changed only if they fit inside of the gearbox. Additional gear boxes are permitted. No chain, belt, o-ring, or shaft drives permitted. Gearboxes must run independent of each other. Gearboxes may be braced or supported. All axles and/or shafts may be modified.
- Other:** This class is limited to factory production, dual motored, 4WD vehicles only.

2WD Modified Tuff Truck

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
3 ¾ lbs	Modified	2WD	14 inches	7 cells	Racing

- Motor:** Maximum of one *Modified* motor. No limit on MSRP.
- Battery:** 7 cells “C” size maximum. Battery may be relocated.
- Chassis:** May be scratch built, aftermarket, or any combination of kit components, gearboxes, and chassis. Pan car chassis are allowed..
- Tires:** Maximum tire diameter is 6 ½ inches. Maximum tire width is 4 ½ inches. Minimum tire diameter is 2 ½ inches. Any tread type allowed.
- Weight:** Minimum vehicle weight is 3 ¾ lbs.
- Wheelbase:** Not to exceed 14 inches when compressed.
- Body:** Must run a truck or utility type body.

2WD Stock Tuff Truck

Weight	Motor Level	Drive	Wheelbase	Battery	Surface
4 lbs	Stock	2WD	Stock	6 cells	Racing

- Motor:** Limit of one *Stock* motor.
- Battery:** 6 cells “C” size maximum. Battery must be in stock location.
- Chassis:** The chassis and gearbox must be original equipment for that vehicle. The only gears that are allowed to be changed are the pinion and spur gear. No additional gearboxes are permitted. Monster truck conversions are not allowed. Suspension must remain in stock location. Direct oil replacement shocks are allowed. The axles may be changed to aftermarket parts.
- Tires:** Maximum tire diameter is 6 ½ inches. The maximum tire width is 4 ½ inches. The minimum tire diameter is 4 inches.
- Weight:** Minimum vehicle weight is 4 lbs.
- Wheelbase:** The wheelbase must be stock for that vehicle.
- Examples:** Blackfoot, Stampede, etc.

2WD Pro Modified Nitro

Weight	Engine Level	Drive	Length	Fuel type	Surface
10 lbs	.15 Nitro	2WD	19 inches*	Nitro	Dirt

- Power Plant:** Maximum of .15 cubic inch nitro engine.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Tires:** Maximum rear tire diameter is 5 ½ inches. Maximum rear tire width is 3 ¼ inches. Minimum front tire diameter is 2 inches. Rear tires must be bar type.
- Weight:** Maximum vehicle weight is 10 lbs.
- Dimensions:** Maximum vehicle length is 19 inches. This is to be measured from the rearmost portion of the hitch to the most forward part of the vehicle.
- Wheelbase:** Maximum wheelbase is 11 ½ inches.
- Hitch:** Maximum hitch height is 4 inches.
- Body:** Must use a truck, van or car body only.

2WD Nitro

Weight	Engine Level	Drive	Length	Fuel
15 lbs	.30 Nitro	2WD	18 inches	Nitro

Power Plant: One two stroke nitro engine with a maximum displacement of .30 cubic inches. Engine is to be mounted in the front 50% of vehicle. Must have a store bought tuned exhaust pipe. No straight pipes are allowed.

Chassis: Chassis may be scratch built or a combination of kit components.

Tires: Rear tires are to be Tamiya “Wild Willies, Lunchbox, or Midnight Pumpkin” type tires only. Tires may be cut. Steer tires are to be a minimum of 13/8 inch in diameter.

Weight: Maximum vehicle weight is 15 lbs.

Dimensions: Maximum vehicle length is 18 inches from the center of the rear axle to the furthest point forward. Maximum width is 9 5/8 inches.

Wheelbase: Wheelbase must fit under body.

Hitch: Maximum hitch height is 4 inches. The hitch hole is to be located 1 7/8 inch behind the rear axle as measured from the center of the axle to the rear of the hitch hole. Vertical holes that require the sled hood to be hooked horizontally are not permitted.

Body: Any scale appearing body is allowed.

Other: For scale appearance a 90 degree rear end is preferred. Vehicles without a 90 degree rear axle will need approval from the host club or Event Director. Weight penalties may apply.

Special: *At the time of printing the NR/CTPA felt it was in the best interest for class growth to not enforce any penalties for the vehicles with out a 90 degree rear axle. The penalties will not be enforced until a time when either drive type can support them selves.*

Novice

This is a class for beginners to learn racing and introduce them to R/C monster truck racing.

This class is not designed to be highly competitive.

When participants are achieving times with a truck that is comparable to the times achieved with trucks in a regular class, that participant will be moved to the regular class. This point will be reached by averaging out all of the times from the regular class for the same event. This decision will be made by the Monster Truck Director and their staff.

The participants should arrange for their own vehicle. The vehicle may be of any make, size, or configuration. The truck can be either 2WD or 4WD.

In the event a truck is not available for every member of the family, a truck may be used more than once in this class.

Racing General Rules

1. The Monster Truck and Tuff Truck competition will consist of a timed event or side by side elimination. The vehicles will race over obstacles such as; Jumps, crushed cars and/or a slalom course. Whether timed or elimination, two trucks will run side by side on identical or mirror image courses. During timed events one or two trucks may run but the time will be recorded for each truck individually.
2. At least two wheels from the same side of the vehicle must pass over obstacle. A one second penalty will be assessed to the final time for every missed obstacle and every pylon knocked over. Cones will be placed at corners and must be placed no more or less than 3 inches from the edge of any ramp. In elimination racing a missed obstacle or knocked over pylon will result in a disqualification.
3. The course layout will be determined by the Host Club or the Event Director. The layout will be announced at the drivers meeting.
4. Immediately after completing a round the participant will return to marshal for the next participant. If the participant can not return to marshal, it is their responsibility to find a replacement. A driver that does not return or find a replacement will have their last truck disqualified for the day. A vehicle that requires assistance in order to finish the run will not receive a score for that run. Exact rules for marshaling will be left up to the Host club or Event Director and announced at the drivers meeting.
5. Tracks and foam tires are not permitted in any racing class.
6. All four tires must be the same size and width.
7. All vehicles will be inspected either before or after their runs.
8. Ramps are to be 18 to 24 inches wide. Maximum height is 8 inches. Maximum pitch of 45 degrees. The first ramp is to be placed at the starting line.
9. The front tires of the vehicle will be on the starting line before the race can begin.
10. If a part or parts fall off of a vehicle while competing, the vehicle may continue if able. The vehicle must then pass tech inspection with the part(s) missing.

2WD Gas

Weight	Engine	Drive	Length	Fuel	Surface
25 lbs	39cc	2WD	24 inches	Gasoline	Dirt

- Engine:** Maximum of one two stroke engine. Maximum displacement of 39cc.
- Fuel:** A maximum of 4 fluid ounces of gasoline. Fuel on board shall be no more than necessary. All fuel must be contained within the fuel system.
- Chassis:** Any scratch built chassis is allowed.
- Tires:** Maximum tire diameter is 6 ½ inches. Maximum tire width is 4 ½ inches. Maximum of four tires. Tires may be cut.
- Weight:** Maximum vehicle weight of 25 lbs.
- Dimensions:** Maximum vehicle length is 24 inches. Maximum vehicle width is 16 inches.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** Any scale appearing body is allowed. If an econo mod tractor or mod tractor it needs fenders, roll cage, seat, steering wheel and an instrument panel.
- Safety:** Vehicle must have a kill switch that will kill the engine if the vehicle becomes disconnected from the pulling sled. Vehicle must be hooked to the sled, an anchor point or set in on cradle before starting.
- All Chains, Belts, Gears, and Clutches should be totally enclosed. Minimum 1/16" thick (11 Gauge) metal. May use expanded sheet metal or drill the metal but the metal is not allowed to have holes larger than 1/8 of an inch.

Insane

Weight	Motor Level	Drive	Length	Battery	Surface
15 lbs	See Rules	2WD	18 inches	See rules	Dirt

- Motor:** No motor or engine restrictions. May use Gas, Nitro, or Electric power plant. Must be safe.
- Chassis:** Chassis may be scratch built or combination of kit components.
- Weight:** Maximum vehicle weight is 15 lbs.
- Dimensions:** Maximum vehicle length is 18 inches. Maximum vehicle width is 12 inches.
- Hitch:** Maximum hitch height of 4 inches.
- Body:** Must resemble some kind of full scale pulling vehicle. For any unusual vehicles it is recommended that participant have a photo of the full scale puller.
- Safety:** Must have shielding to contain flying parts. The body may be considered to be the shielding.
- Must have a hitching point for a safety tether or kill switch. The hitch point must be just above the pulling hitch if using a safety tether. If the vehicle is Nitro or Gasoline operated, the vehicle will be hooked to the sled, an anchor or set on a cradle before starting
- Exhaust:** Gas or Nitro vehicles are required to adapt to an exhaust elimination system. The current system adapts best to exhaust exiting from the top of the vehicle.

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