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BRITISH RADIO CAR ASSOCIATION

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10th OFF-ROAD TRUCKS SECTION



Handbook 2020

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HOW TO USE THIS HANDBOOK

This booklet is aimed at competitors or officials for the 10th Off-Road Trucks class, enabling them to have the information required for the class at all times, however it should prove useful to all club racers too as we hope it will give the reader more information about our national series.

The information contained herein should be read in conjunction with the Association Handbook. The General Rules contained in the Handbook apply to us all, at all events, and in any circumstances take precedent over Sectional rules. It is every member's responsibility to ensure they have read and understood the General Rules - ask an Executive official as appropriate for clarification if you don't.

The application of the rules works thus:

The Association General Rules apply at all events we go to, including most club racing as we are all members of the Association at all times, Sectional Rules (as in this book) apply at Nationals plus other events, e.g. regional events, as sanctioned by the Section committee. Sectional rules do not apply at clubs, unless the clubs wish them too and it is entirely the clubs choice either way.

Changing a rule

Every rule in this booklet and the Association Handbook was proposed and voted in by one of your fellow racers - none of the committees can simply 'make up' a rule. If you don't like a rule you can easily try and have it changed (though the first thought should be to find out the rationale of why one of your fellow racers proposed it in the first place perhaps?) If you're happy a rule needs changing get somebody else to agree with you - a seconder - and then write/email to one of the following people:-

Section Rule to be changed - Section Secretary - who will liaise with you to ensure it's then voted on at their section conference.

Association General Rule including the Constitution - Association Secretary - who will liaise with you to ensure it's voted upon at the Association annual general meeting.

You should endeavour to be at any meeting where a rule change, you have proposed, is taking place as it will be discussed, possibly amended, plus you'll almost certainly be asked to elaborate on it.

Summary

'The Rules' should be the easy bit of our sport, but they're not as we're all passionate about our sport and want to have an input into how it's run. Make sure you have your say; the Association works because people get involved and make a difference.

If you don't like the way something is being done, you should offer to do it yourself. Every Association official is a volunteer and they are doing a role because it needs doing. However it is as much your responsibility to do that task as it is theirs - just that they volunteered to do it before you had the opportunity to offer to do it better.

BRCA 10th Off-Road Truck Section 2020
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Registered address:
BRCA c/o, 7 Buck
Lane, Hough, Crewe
Cheshire, CW2 5JP

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CHAIRMAN'S INTRODUCTION

Welcome to
the BRCA
Truck section



The BRCA Truck section caters for electric 2WD and 4WD 1/10 Short Course Trucks (closed wheel) and electric 2WD 1/10 Stadium Trucks (open wheel) which are based on real racing classes around the world - search on the internet to see how exciting these classes are!



All ages and abilities are welcome and the classes encourages junior racers as an ideal place to begin their racing career with simple reliable vehicles that are easy to maintain while being rewarding to drive. With low running costs and durable tyres the class is seen as a fun way to enter the world of RC racing within a reasonable budget.

The National series offers its racers unrivalled value for money in terms of track time with no less than 7 races through the day with 4 rounds of qualifying and 3 rounds of finals for all. The Series takes place on some of the best UK Off-Road race venues on a variety of surfaces with plenty of variation to test your skills!

With increasing popularity and a great bunch of travelling racers more families are joining us making it a great way to spend weekends away amongst friends.

Truck Racing can be as competitive as you want it to be but the emphasis is about having FUN!

Mark Ashforth

Chairman, BRCA 1/10th Off-Road Trucks Section



COMMITTEE & CONTACTS

MARK ASHFORTH

mark.ashforth@UKtrucknationals.com

Chairman

PAUL DICKENS

paul.dickens@UKtrucknationals.com

Treasurer

KEV JONES

kev.jones@UKtrucknationals.com

Safety Officer

CHRIS SPENDLOVE

chris.spendlove@UKtrucknationals.com

Secretary

JOHN WELLS

john.wells@UKtrucknationals.com

Co-ordinator

PAUL GILL

paul.gill@UKtrucknationals.com

PRO

2020 CALENDAR



1/10th OFF-ROAD TRUCKS

Month	Date	Event	Venue	Surface
April	26th	Round 1	Telford Model Car Club	Astro
May	31st	Round 2	Boughton Raceway	Astro
June	28th	Round 3	A1 Racing Club	Astro
July	12th	Round 4	Ledbury Model Car Club	Astro
August	18th	Round 5	Eden Park Raceway	Astro
September	13th	Round 6	Coventry Model Car Club	Astro



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10th
OFF-ROAD
TRUCKS
SECTION
2020
RULES



1. See general BRCA RULES.
2. All cars to represent full size short course trucks, stadium trucks or off road buggies, 2wd and 4wd.
3. Motors.
- 3.1 4WD Short Course - Brushed or brushless motors allowed either 540 or 550 size from the EB list where applicable.
- 3.2 2WD Short course and Stadium trucks -Brushed or brushless 540 size motors from the EB list where applicable.
4. Batteries - see BRCA general rule 4.
5. General Construction - car must be constructed / design not to cause personal injury. E.g. no sharp edges, enclosed gears, bumpers to be suitable material such as plastic or rubber.
6. Short Course Truck Specific Rules.
 - 6.1 Bumpers - SCT style front and rear bumpers must be fitted in lines with existing manufacturers trucks.
 - 6.2 Only commercial available 1/10th short course wheels and tyres allowed (2.2" outer bead and 3.0" inner bead). No converted 1/8th buggy wheels.
 - 6.3 Body - Only 1/10th short course bodies allowed, with enclosed wheel arches, minimum cut outs and be a true representation of the full size vehicle. No add on spoilers / wings allowed.
 - 6.4 Rear Wings - No bolt on aftermarket or home-made rear spoilers / rear wings allowed. Manufacturer rear spoilers / rear wings moulded into the finished bodyshell are allowed.
 - 6.5 The use of an undershell is permitted but it must remain securely attached at all times while racing, if it becomes dislodged and liable to cause injury the truck must be stopped to have it removed or replaced before being allowed to continue.
 - 6.6 Vehicle Dimensions

Dimension	Minimum	Maximum
Wheel Base:	320mm	335mm
Overall Width:	273mm	296mm

 (this excludes the bodyshell)
7. Stadium Truck Specific Rules.
 - 7.1 Front bumper to be made of plastic or rubber.
 - 7.2 Rear wings if fitted must be mounted to the shell via the manufacturers mounting points and be representative of the original design. Painting of the wing is permitted.
 - 7.3 Only commercially available wheels and tires of 2.2 size permitted.
 - 7.4 Wheels and tyres must be commercially available – inserts are free or without insert is also permitted. For dirt tracks a control tyre will be specified for the driven wheels to be used. (The control tyre will be published following track selection).
 - 7.5 The use of an undershell is permitted but it must remain securely attached at all times while racing, if it becomes dislodged and liable to cause injury the truck must be stopped to have it removed or replaced before being allowed to continue.
 - 7.6 Vehicle Dimensions

Dimensions	Minimum	Maximum
Wheel Base:	280mm	296mm
Overall Width:	310mm	330mm
8. Race entry and payment via the BRCA booking process online.
 - 8.1 The booking in on the day entry fee will be £15.00 per round for each class entered.
9. Marshalling as per BRCA rule.
10. Race Format.
 - 10.1 All races to be 5 minute duration (plus an allowance for the last lap).
 - 10.2 For qualifying rounds staggered starts will be used. Finals will use staggered grid starts with a minimum 2m interval (this will be extended when length of straight allows) and two rows of cars (pole position in each final will choose which side of the grid they start).
 - 10.2.1 Four round of qualifying plus finals for all drivers attending the meeting (weather and time permitting, if 2 rounds of qualifying are completed then these rounds will count towards the series, if less than 2 rounds completed and the meeting

- can't be rearranged the required number of rounds for the series will be reduced).
- 10.2.2 Round by round qualifying to be used (2 rounds to count).
 - 10.2.3 Series to be best 6 rounds with 50% plus 1 round to count, points to be 100 for qualifying and 100 for finals.
 - 10.2.4 Heats for round 1 of the championship will be seeded based on final positions of the previous year's championship. All remaining rounds will be seeded in championship order.
11. Timing equipment can be either AMB RC3 or RC4 supplied by the Host club.
 12. Transponders.
 - 12.1 It is the driver's responsibility to securely fit the transponder to their car before the start of any race.
 - 12.1.1 The driver is responsible for ensuring that the transponder functions with adequate signal strength. If the transponder malfunctions, competitors may have their laps recorded manually providing that:-
 - The transponder starts the race clock for the heat or final.
 - The Race Director is satisfied that the car was circulating during any missed laps. If the transponder does not record a finishing time, then the Race Director may award final lap(s) based on any recorded information available. This procedure will only be adopted once for each competitor in any individual event.
 13. Refereeing as required, supplied by the host club and supported by the series.
 - 13.1 At the Referees' discretion, penalties can be incurred for bad driving and/or corner cutting with any one of the following, depending on the severity of the offence: Official Warning, Stop-Go penalty, 5 or 10 second penalty, disqualification. The Stop-Go penalty area must be well defined and in a position that is practical to operate.
 - 13.1.1 If a driver receives three Referee's warnings during an individual event the penalty will be seven places added to his event score. 2WD and 4WD warnings to be treated separately.
 - 13.1.2 Any driver who ignores a warning or penalties issued by the Officials will be shown the black flag. The car must immediately be removed from the track and the driver will lose that heat/final time.
 - 13.2 The penalty for late marshalling during Qualifying will be seven places added to the drivers best Round score under the Round by Round system. The penalty for failure to marshal during qualifying is the loss of the best round score under the Round by Round system. (If a driver loses or has his best round time adjusted due to incurring a penalty, then all drivers between his original position and adjusted position in that Round, will move up one place.)
 - 13.3 The penalty for late marshalling in the correct Final(s) at an event will be seven places added to the final results for the event. The penalty for failure to marshal in the correct Final at an event, unless specific permission is given by the Race Director, will result in zero points being awarded at the event. The events points for other drivers are not adjusted.



NOTES

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enquiries@doolittlemedia.com



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