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HOW TO USE THIS HANDBOOK

This booklet must be read in conjunction with the General Rules contained within the BRCA Members Handbook. The General Rules apply to all members and have precedent over sectional rules. It is the responsibility of each member to have read and understood the rules.

The application of the rules works thus:-

The BRCA General Rules apply at all events, including most club racing. Sectional Rules (as in this book) apply at Nationals plus other events, e.g. Regionals, as sanctioned by the section committee. Sectional rules do not apply at clubs unless the clubs wish them too and it is entirely at the discretion of the club.

Changing a rule

All rules, whether General &/or Sectional, are proposed and voted for by Association members. No-one can simply 'make up' rules. Changes to any of these existing rules can be made by the following process:

• Find another member who agrees with your suggestion to act as your seconder.

Then write/email to one of the following people:-

- Section Rule to be changed write to the Section Secretary who will liaise with you to ensure it is voted on at the section conference
- Association General Rule including the Constitution write to the Association Secretary who will liaise with you to ensure it is voted upon at the Association Annual General Meeting.

You should endeavour to attend any meeting where a rule change, you have proposed, is taking place. It will be discussed, possibly amended, and you will be asked to elaborate on it.



BRCA Bikes Section Handbook 2019

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CHAIRMAN'S INTRODUCTION

Welcome to the world of RC Bike Racing . . .

For those who are current members of the class – we hope you have another enjoyable and competitive seasons racing. For newcomers to the class – we welcome you to the section and encourage you to engage with other racers and ask any questions that you may have.

New features to our section for the 2019 season will be the introduction of the Clubman Series – an opportunity for members to race any class of bike at Club without any rules. More information can be found later in this Handbook.

We have an exciting calendar for 2019 providing a good geographical spread of circuits across the country.

As an ex motor cycle racer, with 2 wheel racing firmly in my blood, I found that once introduced to RC bikes I was hooked and it served to revive my competitiveness in RC racing. I believe it is the ultimate RC racing discipline with the unique quality of being the only category to deliberately balance on 2 wheels. With ever evolving bike designs and technology that enhance close competitive racing combined with a strong fun factor, there has never been a better time to get yourself an RC bike and come and join the gang. If it's a true challenge that you are seeking then there is no better place to find it than to come RC Bike racing.

I look forward to seeing you trackside for the 2019 season.

Alan Leighton

Chairman, BRCA Bikes Section





To keep up to date with what's going on in the world of Radio Control Cars visit the BRCA Main Website at www.brca.org

All the Bike related information is located under the Sections dropdown.



BRCA BIKE CLUBMAN SERIES 2019

The BRCA Bike Clubman Series is being launched to help promote RC Bike racing and encourage new racers to get involved at their local clubs.

The Clubman Series is open to anyone who wants to take part – from entry level to experienced National racers – using whatever RC bikes they have available at the time of racing.

What, where and how?

This new Series can take place at any Club in the UK that has:

- · a tarmac circuit
- · runs a summer race series
- is able to accommodate a heat or more during their Club Series calendar for a minimum of four RC bike racers
- The racers choose RC Bike they run 1/8th, 1/5th, electric or nitro class. You the racers chooses.

Any Club able to deliver this will qualify to take part in the Clubman Series.

Example:

Both the Halifax and Cotswold Clubs already run a summer race series with bike heats included. The final Qualifying results and Finals result will be sent to the Bike Section Secretary for inclusion in the Clubman Series. A simple photo of the meeting results will suffice which can be submitted via the BRCA Bike section Facebook page. One photo taken after Qualifying and another after the Finals will need to be posted. Points will be awarded to each racer and shared shortly afterwards.

The Rules:

As most Clubs tend to differ on format and race duration so this Series will compete in accordance with club format.

Comply with the club rules as towards Lipo's Hardcase use only.

It is anticipated that the Clubman Series will be run from March through to September, with the best 5 rounds to count. Each racer completing in the Clubman Series MUST compete in a minimum of one away club meeting.

A Clubman Series Final race meeting will be scheduled into the calendar to determine the Series Winner.

Points for the Series:

- FTD 100
- A Final win 100
- Plus 1 extra point for FTD and A Final win

The Clubman Series is open to any class or motor at any track - just get a heat going at your club and start racing.

A prize will be awarded to the Club who gets the most Bikes racing at a single meeting held during the Series.

ADDITIONAL USEFUL INFORMATION

How to book in for a National

All racers must follow this process when registering for a BRCA Bike Section National

- All entries must be made via the BRCA website
- This can be done by:
 - Logging on
 - Click the 'Events' or 'Bikes' section
 - Go to the calendar
 - Select the meeting(s) of choice and click once you've added all you want
 - Pay using PayPal (also accepts Credit & Debit Cards)
- Please make sure you select your primary class
- The cut-off time for entries is at 23.59hrs on the Thursday preceding the event.
- The entry fee is £25 for each meeting regardless of classes entered.
- The Section refund policy is:
 - Full refund will be given for no shows if notice is given via the BRCA booking-in portal or to a Bike Section Committee Member before 23:59 on Friday preceding the event.
 - Post cut-off is discretionary

Classes at National meetings for the Bike Section

- MotoGP
- Moto2
- MotoGP (Nitro)
- Sidecars

Scrutineering

Scrutineering will be available on the Saturday (during practice) for all members to register motors according to class entered. All motors used must conform to the BRCA EB motor list current at the time of the event.

Health & Safety

A Risk Assessment will be completed prior to the start of each meeting and sent to the Vice- Chairman of the BRCA.

All members MUST use a LiPo sack during charging of lithium based batteries and all must comply with the BRCA general rules.

All Marshalls must be on their marshal point, wearing a Hi-Viz jacket, before the start of the Heat/Final. Any member not able to marshal must provide a suitable replacement to cover their point. The race director has the full responsibility for the running of the meeting and all activity at the track.

2019 CALENDAR

BRCA BIKES EVENTS				
	Date	Event	Venue	
April	27th - 28th	Bike National – Round 1	Wombwell	
May	25th - 26th	Bike National – Round 2	Adur	
June	22nd - 23rd	Bike National – Round 3	Cotswolds	
July	27th - 28th	Bike National – Round 4	Halifax	
September	7th - 8th	Bike National – Round 5	Mendip	
August	17th - 18th	Dez Chand Memorial GP	Cotswolds	

NATIONAL SERIES INFORMATION 2019

The following pages contain details about the tracks hosting the Bike National Series during 2019.



ADUR

Address

ADUR RECREATION GROUND

Shoreham by Sea, West Sussex, BN43 5LT

Website

www.adurrc.org

Contact

Mick Hendy mickandlisahendy@hotmail.com

Pitting

Enclosed grassed pitting area with a large area for camping, gazebo and tables and additional pitting.

Toilets

Ladies and Gents. Porta loos on site with public toilets block 5 minutes walk across the park.

Camping

Available but contact club.

Catering

Food & drink available on race day. McDonalds 5 minute drive away with pubs and restaurants 10 minutes walk away.

Places to Stay

Premier Inn: (Worthing Sea Front), 127 Marine Parade, Worthing BN11 3FN

Track Site Directions

The track is situated on Adur Recreation Ground. roughly 5 miles from Brighton and 5 miles from Worthing. From the M23/A23, continue south to the outskirts of Brighton, and take the exit sign posted A27 Worthing. Once on the A27, (from East or West), follow signs to Shoreham. Take the turnoff which is midway across the Shoreham Flyover, over the river Adur. Take the South exit from the roundabout under the flyover, sign posted A283 Shoreham. You will pass the Red Lion and the Amsterdam pubs on a mini roundabout. Continue South to the Shoreham roundabout. Turn right at Bridge Inn, over the river. First right after the bridge is the entrance to the track, but you cannot turn here. You must proceed to next roundabout and double back. On entering the recreation ground, go over speed humps, through car park then through the green gate. Postcode for Sat-Nav is BN43 5LT













COTSWOLDS

Address

Hanger/Woodside, Haresdown Hill, Kemble Cotswold Airport, Cirencester GL7 6BA

Website

www.cotswoldmcc.co.uk

Contact

Steve Davis

wilga35a@gmail.com

Camping

Must be pre-booked with club on their website. Available Saturday night £5 tent, £10 caravan.

Catering

A burger van onsite. Hot and cold food and drink served at the onsite AV8 restaurant

Places to Stay

Premier Inn: (Cirencester Town Centre) Kings Meadow, Cirencester GL7 1NP









RACING RADIO-CONTROLLED MODEL CARS AT COTSWOLD AIRPORT, NEAR CIRENCESTER, UK.

FACILITIES FOR 2018 INCLUDE

- Covered drivers rostrum - Covered pits with tables and electric - Toilets and shower facilities - Camping during race weekends

We host National events and club days throughout the Summer, for many scale classes, both Electric and IC powered vehicles. Club memberships allow extra access to our track facilities on non race days. For more information please visit us online or on our facebook page for up to date information and race dates.

2018 Club memberships available online at www.cotswoldmcc.co.uk



CotswoldModelCarClub

HALIFAX

Address

HALIFAX TRACK

Stainland Road Halifax West Yorkshire HX4 81 S

Website

www.halifaxtrack.co.uk

Contact

John Russell 07798 846930 • vicechair@brca.org

Pitting

Fully covered pitting area with benches, tables and mains electric. Compressor in pitting area. Site open from 14:00 Friday but track closed.

Toilets

Toilet block with separate gents, ladies and disabled toilets.

Camping

Available through the club. Available Friday and Saturday night, £7.50 per night.

Catering

Cafe on site hot and cold drinks and hot food available.

Places to Stay

Premier Inn: (Halifax South)
Salterhebble Hill, Huddersfield Road,
Halifax HX3 OQT













MENDIP RACEWAY



Address

MENDIP RC RACEWAY

Accommodation Road
Bleadon
Weston-super-Mare
North Somerset
BS24 OAP

Website

www.mendiprcraceway.co.uk

Contact

Gary

manpossessed@sky.com info@mendiprcraceway.co.uk

Pitting

Undercover pit benches available.

Compressed air available.

Toilets

Ladies and Gents.

Camping

Must be pre-booked through club's website.

Catering

On site cafe doing hot and cold drinks and hot food available.

Places to Stay

Premier Inn: (Weston Super Mare J22 M5) Bridgewater Road, Lympsham, Bleadon BS24 OBP

Track Site Directions

For SAT NAVS PLEASE NOTE: The postcode takes you to a gas suppliers yard down the road from the track. If you follow this postcode you pass by the track on the right hand side on a bend before a bridge, well before you reach the gas suppliers! So if you reach the gas suppliers you've gone too far.









WOMBWELL

Address

WOMBWELL MODEL CAR CLUB

Sports Stadium Station Road Wombwell S73 OBJ

Website

www.wombwelllargescalechampionship.co.uk

Contact

Trevor Kersey 07932 696709

trevor@wombwelllargescalechampionship.co.uk

Pitting

Hard standing or grass area available for gazebo and tables. Facilities are shared with South Yorkshire Karting Club with strict operating rules to adhere too. Rostrum is fully covered.

Toilets

Ladies, Gents and Disabled.

Camping

Available through the club for £7.00 per night.

Catering

Not Available.

Places to Stay

Premier Inn:

S73 0UN

(Barnsley – Dearne Valley) Meadow Gate Valley Park Wombwell

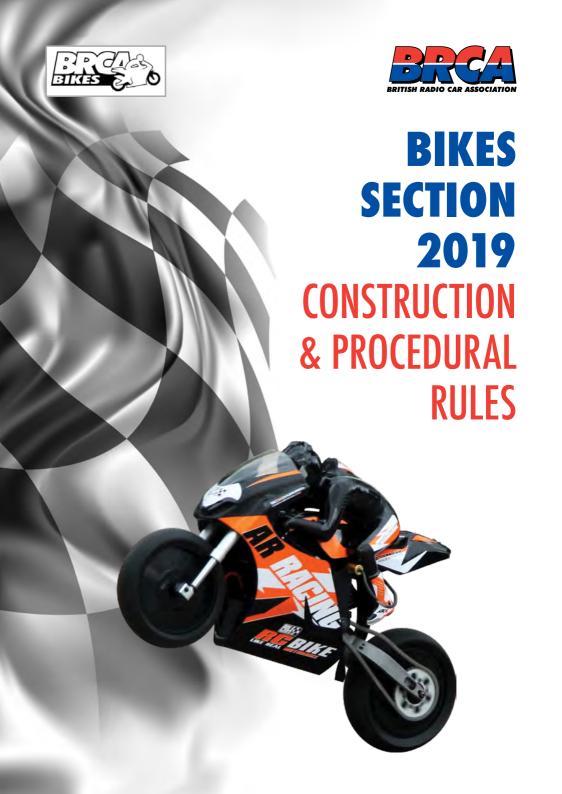












CONSTRUCTION RULES

1.0 RACING CLASSES

- 1.1 Moto2 (Super Stock class) approved 17.5 turn brushless motors from the BRCA EB approved motors list at the time of publication on the BRCA website. G2/silver can brushed motor with the use of any brushed speed controller (LED flashing) during qualifying and finals.
- 1.2 No front brakes or any mechanical brake on either wheel allowed
- 1.3 Only batteries listed in the Electric Board BRCA 2S Stick LiPo list as issued from time to time are allowed. Charging rate must be 1C or the maximum charge rate shown in the 2S Stick Lipo list, whichever is the greater.
- 1.4 No weight restrictions

2.0 1/5TH SUPERBIKE CLASS (MOTOGP ELECTRIC)

- 2.1 Any 10.5 Turn motor conforming to the BRCA EB approved motors list at the time of publication on the BRCA website run with a blinky/non turbo speed controller.
- 2.2 Front brake allowed
- 2.3 Any battery type allowed up to a maximum of 7.60v nominal for the pack (2S LiPo or 6-cell NiMh) including lithium polymer. If a lithium polymer battery is used Rule 1.3 applies.

3.0 1.5TH NITRO CLASS (MOTOGP NITRO)

- To have no restrictions to fuel tank or engine size or type.
- 3.2 No weight restrictions.

4.0 SIDECAR CLASS

- 4.1 Power source: Stock class motors from the BRCA EB approved motors list at the time of publication on the BRCA website may be used. Nitro power source is open.
- 4.2 Overall size to be 435mm in length by 220mm in width maximum, sidecar chassis must fit within the shell.
- 4.3 Single rear wheel drive, single front wheel steering.
- 4.4 Any battery type allowed up to a maximum of 7.60v nominal for the pack (2S LiPo or 6-cell NiMh) including lithium polymer. If a lithium polymer battery is used Rule 1.3 applies.
- 4.5 No weight restrictions.

5.0 CONSTRUCTION RULES

5.1 APPEARANCE

The essence of the sport is radio control motorcycle racing and as such all Bikes and Sidecars entered should be realistic in appearance, neatly finished, and complete with bodywork and rider, all of which should be painted.

All fairings, bodywork, seat units and rider figures should be to scale and appropriate in both style and colour. Scrutineering has the final decision as to what constitutes a reasonable representation and the penalty for failing to comply.

5.2 1/5TH ON ROAD DIMENSIONS

Wheelbase

Max: 320mm Min: 280mm Rear Wheel Diameter Max: 95mm Min: 80mm Front Wheel Diameter Max: 95mm Min: 80mm

Any Tyre Width Max: 35mm

Height of bike inc rider Max: 300mm Min: 240mm

Weight - Unlimited

5.3 SIDECAR DIMENSIONS

Overall Dimensions -Length Max: 435mm Width Max: 220mm

Height Max: 120mm including rider

Wheelbase -

Wheels must fit within the sheel

Rear Wheel Diameter -Max: 63mm Min: 38mm

Front Wheel Diameter -Max: 63mm Min: 38mm

Sidecar Wheel Diameter -Max: 63mm Min: 38mm Any Tyre Width - Max: 45mm

Weight - Unlimited

5.4 SIDECAR CONSTRUCTION LIMITS

The track of the centre of the driving tyre can have a maximum offset of 25mm from the track of the centre of the front tyre.

Sidecar wheel can be positioned freely, but sidecar wheel centre must be in front of the driven wheel centre. Sidecar wheel steering by radio control is not permitted, but changes

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to steer and geometry due to suspension movement are allowed. At all times must conform to overall dimensions above.

5.5 TYRES

Any solo bike tyre specifically designed for bike use.

Sidecar tyres are open within dimensional limits.

Tyres must be black except for sidewall detail.

Non slimey and odourless tyre additive to be allowed, but only at circuits that allow it.

Tyre caps are allowed in all classes.

5.6 BRAKES

Brakes either disc or drum are allowed in the 1/5 Superbike or 1/5 Nitro. Only braking via the speed control allowed in every other class.

5.7 TRANSMISSION

In keeping with full size motorcycle design.

5.8 BODY SHELLS AND RIDER FIGURES

The shape must be realistic, scale representations of actual racing motorcycles and sidecars although a generic design is acceptable, and must include a rider figure. Paint scheme is left open to each individual and models can be finished in the rider's own design.

5.9 AERODYNAMICS

Any form of aerodynamics aid not in keeping with the full size sport is not allowed. Fairing, body work and ride cannot be trimmed in a way that detracts from the bikes scale appearance.

Rider figures hands and feet may be trimmed to allow clearance to steering, primary drive and lean angle but arms and legs must retain realistic representation of a full body figure in a racing position.

5.10 EXHAUST / INDUCTION NOISE

The complete exhaust system should be contained within the confines of the body work and fitted in such a way as to minimise the risk of injury to marshals.

If any part of the exhaust / silencer system fails or becomes detached during a race the rider has to return to the pits immediately to have the problem rectified. Further laps with a noisy engine will result in a penalty decided by the Race Director, whose decision is final.

5.11 BATTERY / CHARGER

All Batteries used as the main power source

to power a bike/sidecar during a race must be charged with an appropriate charger and charging profile.

All Batteries used as the main power source to power a bike/sidecar during a race must be charged inside a suitable fireproof container as to minimize the risk of damage.

PROCEDURAL RULES

6.0 RACING RULES

Any point brought up at a meeting not covered by these rules is to be rectified by a majority vote of committee members in attendance and must be confirmed by a vote at the next section conference.

6.1 GENERAL RULES

Entrants can choose any number of classes to enter at each meeting, but must make sure proxy marshals are in place if needed.

All bikes to have correct numbers applied, any incorrectly numbered will be placed at back of grid.

All Qualifying heats are to be of at least 8 minutes long, but may be increased at the discretion of the Race Director if the schedule allows

Qualifying is to be a rolling start up to 2 minutes before the start of the heat.

All Finals will be of 10 minutes duration.

Start flag to be used for Nitro Finals (sin Le Mans Format) on main straight if possible or suitable part of the track.

Electric Finals are to be a line start with a designated marshal for each heat, to be identified by the Race Director.

Starts are to be done as quickly and smoothly as possible, with a 30 second warning before the start by which time all bikes must be present for the starter to assemble the grid. Missing numbers or late arrival at the grid will result in a start from the back of the grid.

All Finals to be multiplies of 6 with the exception of the bottom Final which will cater for all those racers up to where there are enough racers to create another race of 3 or more.

All electric classes will be subject to a random voltage check on the way to the grid, any 2S lipo found to be over 8.40V will be deemed to

Bikes Section 2019

have been charged incorrectly, and for safety reasons removed from the grid. The race or heat will not be held up for a battery change.

Booking in Process - The booking in and payment process to be followed when registering for a National meeting is online via the BRCA Booking In portal and in accordance with the Section cut-off dates for entries in the Handbook.

Making a Protest - All protests to be submitted in writing within 10 minutes of the end of the race and made to the Race Director of the Event and secured with the payment of £20.00 made to a member of the Bike Section Committee. All protests to be submitted on a BRCA Bike Section Protest Form (form to be provided). Copies of Protest Forms to be found in Section Race Folders

6.2 POINTS SYSTEM

Points only to be scored from the finals, max 100 points for each separate race, e.g. then 98, 97, 96 etc.

At least one lap must be counted in a race to be eligible to score points.

Rookie Championship awards a trophy to the highest overall points scoring person not having done a BRCA Bike National before the start of the new season.

In the event of a Championship draw a count back on meetings where points counted, e.g. your 8 finals (4 rounds) would be used.

6.3 RACING FORMAT

For the first round of the new season, qualifying heats will be seeded from previous championship final standings, thereafter after the heats will be arranged in current Championship Order.

6.4 TYRE WARMERS

Tyre warmers will be allowed in all classes.

6.5 NATIONAL MEETINGS

6.5A GENERAL RULES

The National Championship will be contested over 6 rounds, with 2 final races per meeting scoring separately, leading to a maximum of 12 individual race results for the season. The best 8 results will count, meaning that riders who can only attend 4 of the 6 meetings still have the opportunity to compete.

All national meetings consist of 4 qualifying rounds and 2 leg finals for all competitors

6.5B All Circuits hosting a national meeting

must accommodate the following: Practice available on the Saturday.

Nitro heats.

Meetings to be run automatically and only stopped / interrupted by bad weather or emergency.

Marshal technique, duties and etiquette to be specified at the drivers briefing, including:-

- Marshals must wear a high visibility jackets where supplied
- Marshals must recover and launch the machines as instructed at Drivers Briefing
- Marshals must be in place by the announcement of 30 seconds prior to the race start and remain in position until Race Control indicates that the race is over and all vehicles have finished.

Penalties will be made for late, absent marshal or going missing before the 'Race Over' signal

Penalties include loss of FTD, followed by a 5 place grid penalty for persistent offenders. Exclusion from meeting remains the final sanction. This applies to stand in marshals also, but the penalties will apply to the pilot being accommodated not the substitute.

Penalties for poor conduct of any driver or his associated party at any National Meeting will result in loss of their FTD for the first offence, and dismissal from the event for a second

Each venue will be required to supply a scrutineering area for machines and radios which shall be covered where possible.

Closing date for National Entry will be 23:59 on the Thursday preceding the event. Entry fee £25.00. Refunds will be given for no shows if notice is given via the BRCA booking-in portal or to a Bike Section Committee Member before 23:59 on Friday preceding the event.

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