



Competition Rules

Great Britain Radio Control

Aerobatic Association

F3A & F3P Radio Control Aerobatics

2020 Edition
Effective 1st January 2020

F3A – R/C Aerobatic Aircraft

F3P – R/C Indoor Aerobatic Aircraft

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1 Preface

The Great Britain Radio Control Aerobatic Association was founded in 1979 to promote F3A flying in the United Kingdom and is a specialist body of the British Model Flying Association.

In 2011 F3P (Indoor Aerobatics) was added to the responsibilities of the GBRCAA using the same guidelines as F3A.

The GBRCAA organise a series of National League competitions, usually on club flying sites and run by a member of the host club. Trophies or certificates are presented to the winners of the competitions and scores from the National League, BMFA Open and BMFA Team Selection events are placed in separate League tables to determine the League trophy winners for each schedule at the end of the season. The BMFA British National Championships and the GBRCAA Championships have their own trophies.

The Association has designed and developed its own series of aerobatic schedules that are flown in National League and BMFA Open competitions, from a basic F3A Clubman schedule which is designed to appeal to a beginner flying in aerobatic competitions to the Intermediate schedule for the more ambitious pilot. The FAI 'A' Schedule is adopted as the GBRCAA Masters schedule. The FAI Preliminary (P) schedule is also flown in National League and BMFA Open competitions whilst the Finals (F) schedule will be flown at selected events.

For F3P (Indoor Aerobatics), the F3P 'C' schedule has been designed as an introductory schedule whilst the 'B' and 'B+' are for the more ambitious pilot. The FAI AP schedule is flown at domestic competitions and the AF (Finals) schedule may also be flown at BMFA Team Selection and other events. The Aeromusicals may be flown at some competitions.

2 GBRCOA Competition Rules and Procedures and BMFA VARIATIONS ON FAI F3A and F3P RULES.

2.1 The GBRCOA as a specialist body of the BMFA follow the F3A and F3P rules in the following current documents:

- FAI Sporting Code - Section 4 – Aeromodelling - CIAM General Rules which can be downloaded from: <https://www.fai.org/page/ciam-code>
- FAI Sporting Code Section 4 - Aeromodelling Volume F3, Radio Control Aerobatics which can be downloaded from: <https://www.fai.org/page/ciam-code>
- The BMFA Contest Rules – Section 5 which can be downloaded from the BMFA Website

2.2 F3A & F3P Competition Schedules

- 2.2.1 FAI F3A 'A', 'P', and 'F' and FAI F3P 'AP' and 'AF' schedules are listed in the FAI Sporting Code. Section 4 – Aeromodelling Volume F3, Radio Control Aerobatics.
- 2.2.2 The FAI 'A' Schedule will be adopted as the GBRCOA Masters schedule. The promotion score will be 70% of a perfect score.
- 2.2.3 All GBRCOA (non-FAI) F3A schedules can be downloaded from our web site: <http://www.gbrcoa.org/>
- 2.2.4 F3A Take Off and Landing procedures for the Clubman and Intermediate schedules can be downloaded from our web site: <http://www.gbrcoa.org>
- 2.2.5 All GBRCOA (non-FAI) F3P schedules can be downloaded from our web site <http://www.gbrcoa.org>
- 2.2.6 Any new schedule proposed at the Annual General Meeting (AGM) has to be accompanied by the manoeuvre descriptions and judge's notes before it can be considered. If no new schedule is presented fully and passed at the AGM, last year's schedules will continue to be flown.

2.3 General Competition Rules

- 2.3.1 Some variations of these rules may be necessary to run competitions over one or more days with the minimum number of officials. The Association also needs some flexibility to promote F3A and F3P competition so pilots with varying skill levels can be active competitors.
- 2.3.2 Under GBRCOA rules, all pilots who hold a BMFA 'A' Certificate of Competence can compete providing they are passed as safe to fly by the Contest Director and this does not conflict with the rules of the club site where the competition is being held.
- 2.3.3 New members are encouraged to join the Association to fly a schedule which suits their abilities, and progress through the leagues in accordance with the promotion scheme. This requires a pilot to achieve two promotion scores in a twelve-month period to achieve promotion to the next league; however we would not normally prevent any pilot flying the schedule they want to fly.
- 2.3.4 Ultimately for those who wish to compete in International competitions and represent the United Kingdom, the GBRCOA is authorised by the BMFA to hold F3A and F3P BMFA Team Selection events with as little deviation from the FAI Sporting Code as possible, to prepare our GBR Team members for European and World Championship participation.
- 2.3.5 In GBRCOA National League competitions models up to 7Kgs can be flown but they must comply with the rules of the Association and the local club flying field rules where the competition is being held. It would be expected that any competitor will endeavour, in spirit, to comply with FAI model specifications.

2.4 TYPES OF COMPETITIONS

- BMFA Team Selection events. See 3
- BMFA British National Championships. See section 3.4
- GBRCAA Championships. See section 3.5
- UK F3A World Cup. See section 3.6
- BMFA Open League competitions. See section 4
- GBRCAA National League competitions. See section 5
- Triple Crown. See section 6
- Other Events. See section 7
- BMFA Electric Indoor Masters. See section 8.4

2.5 Competition Entries and Entry Fees.

2.5.1 Competition Entries.

2.5.1.1 Entries will not be accepted until the competition is announced on the GBRCAA 'Competition Calendar'. For BMFA competitions the competition must also be announced on the BMFA web site. In addition, each Contest Director will announce the competition and entry details and organisation progress on the 'Competition News' forum as soon as the first competition entry is received for that competition.

2.5.1.2 Entries will not be confirmed until payment is received. Payment should be made by electronic transfer (PayPal) linked from the entry form on the web site. Payment can also be made by cheque and the entry form posted to the Contest Director of the competition. There is no mechanism to reserve a space at a competition and an entry is only complete and confirmed once payment has been received by the Contest Director whether paying by PayPal, or cheque if entering via mail.

2.5.1.3 Potential new members can enter their first competition without being a member of the GBRCAA providing they agree to follow the rules of the Association and pay the normal entry fee for the competition.

2.5.1.4 Any competitor who receives scores at a competition before they become a member will NOT have their scores entered into the league system, although their name will appear as a competitor. They will be ranked in the competition and receive recognition if they finish third or higher.

2.5.1.5 Our Competition Entry Form shall incorporate both Electronic (PayPal) and Postal (Cash / Cheque) payment types and is available via the GBRCAA website.

2.5.1.6 All entries will be sent to the Contest Director for the competition. Selecting the correct Contest Director on the Competition Entry Form is important as this determines who the recipient of the entry form is. If no Contest Director has been appointed, then entries should be sent to the GBRCAA Competition Secretary in line with the instructions on the GBRCAA forum post for the competition announcement.

2.5.1.7 Entries will be accepted up to 7 days before the competition, unless the conditions attached to the use of the venue (e.g. security requirements for an MOD base) require a longer lead time.

2.5.1.8 Unless site requirements dictate otherwise, late entries may be accepted up to the date of the competition at the discretion of the Contest Director. In such cases the Contest Director's judgement in allowing any late entries is final. The GBRCAA Competition Secretary or Contest Director will ensure that regular updates to the status of entry lists are published in the Competition Section of the GBRCAA forum.

2.5.1.9 Entries for the BMFA British National Championships go directly to the BMFA on the official entry form published in the BMFA News and downloadable from the BMFA web site.

2.5.2 Contest Director Competition Entry Reports

2.5.2.1 Reports are available for each Contest Director so they (and competitors) can see who has entered their competitions. These reports are live, so are updated immediately following an entry submission.

2.5.3 Competition Entry Fees

2.5.3.1 Fees for all competitions are set at the GBRCAA Annual General Meeting and shown on the 'Competition Entry Form' available via the GBRCAA web site.

2.5.4 Financial Viability.

2.5.4.1 Financial viability of all events is paramount i.e. expenses for a competition cannot exceed income. It is the responsibility of the Contest Director to ensure that each competition is financially viable.

2.5.5 Refunds for Competition Fees

- 2.5.5.1 Refunds will be given if a cancellation notice is given by the pilot to the Contest Director up to 2 weeks before the date of the competition. If no cancellation is received 2 weeks prior to competition the entry fee will not be refunded. This is to safeguard the finances of a competition. It is reasonable for a Contest Director to make a decision that the competition will proceed and is financially viable 7 days before the competition. If pilots pull out and refunds given it may change the financial viability of the competition with no time to cancel the event.
- 2.5.5.2 The Contest Director must inform the GBRCAA Treasurer when a refund is required.
- 2.5.5.3 If payment was received via PayPal and within 60 days of initial payment being made, a full refund will be provided via PayPal. Additional PayPal fees could be incurred on any monies transferred returned (currently 3.4% + 0.20p). For those that do not have a registered PayPal account refunds can only be made within 60 days of initial payment being made.

2.6 Competition Calendar

- 2.6.1 The Competition Secretary will liaise with all potential Contest Directors to secure as many National League competitions as possible. If a Contest Director is unsure about the organisation of their competition, they should seek help from the GBRCAA committee.
- 2.6.2 The Competition Secretary will also ensure that details of all competitions, entry requirements and time limits are published in the BMFA News and on the BMFA web site.

3 BMFA TEAM SELECTION

3.1 General

- 3.1.1 Under BMFA rules the GBRCAA is authorised to organise a minimum of three BMFA Team Selection competitions per year.
- 3.1.2(a) The number of BMFA Team Selection events will be **four** selected from the BMFA British National Championships, GBRCAA Championships and the UK F3A World Cup and two BMFA Open League competitions run by the GBRCAA.
- 3.1.2.(b) The GBRCAA AGM will specify which of the available competitions will be used within these rules.
Results: The best 3 of 4 competitions. Due to unforeseen circumstances, if all four of the designated competitions cannot be flown, 2 of 3 rounds will count, 1 of 2 rounds, or 1 round counts.
- 3.1.3 For any given year, the actual number of BMFA Team Selection events to be held will be decided at the annual GBRCAA Interested Parties Meeting.
- 3.1.4 The Association may at its own discretion determine any method for Team Selection providing four weeks' notice is given to the BMFA and GBRCAA members.
- 3.1.5 Any F3A BMFA Team Selection event (including any which are rearranged) used for the League table must be held between 1 April and 31 October inclusive in any one year and located in the central area of the UK. F3P BMFA Team Selection events must be held between 1st October and the following 28th February for F3P.
- 3.1.6 Unless all team members and the team manager are in agreement, no BMFA Team Selection event shall count as an event if it takes place within a period starting 14 days before the team departs for and ending 14 days after the team returns from a World or European Championship.
- 3.1.7 No BMFA Team Selection event shall be arranged (or rearranged) to clash with any event, either at home or abroad, at which team members would normally take part e.g. Lowlands Cup The Netherlands, Belgium or other F3A World Cup events which may be attended by team members.

3.2 Team Selection Process - Interested Parties Meeting

- 3.2.1 The number of qualifying events and the method of Team Selection is decided annually at an 'Interested Parties Meeting'. The meeting is open to any BMFA member who may make proposals for changes to the current method of Team Selection. Proposals which are received within prescribed time limits and in line with the Constitution will be discussed and voted on at the meeting for implementation the following year. A majority of votes of those present at the meeting will carry a proposal.
- 3.2.2 An Interested Parties Meeting will only be called if there is a proposal to change the Team Selection rules. If there are no proposals, there will be no meeting and the existing rules will continue. Proposals should be received 2 weeks before the meeting by email or in writing to the Secretary, in line with Annual General Meeting procedure and Constitution.

3.3 RULES for BMFA TEAM SELECTION EVENTS organised by the GBRCAA.

- 3.3.1 Rules are based on those which appear in the current FAI Sporting Code and current BMFA Contest Rules, Section 5; R/C Power, Book 1, Aerobatics. Where necessary the FAI rules in the current FAI Sporting Code may have to be modified for use in one-day competitions.
- 3.3.2 Pilots who fly other schedules will be invited to submit entries to a National League competition to fly for league points in their own league and National League rules will apply.
- 3.3.3 At any BMFA Team Selection event, excluding the BMFA Open competitions which are designated as team selection competitions, FAI pilots may fly in only one competition; either BMFA Team Selection or National League. However, over the course of a season, pilots may change which category they choose to fly in.

- 3.3.4 A BMFA Team Selection league will be created with points allocated based on finishing positions. League positions will be calculated from the best 3 of 4 competitions.
- 3.3.5 A team to represent the United Kingdom (GBR) at World and European Championships will be selected from this league based on league finishing positions.
- 3.3.6 BMFA Team Selection competitors will be allocated points as follows.
- 1st place - 25 points
 - 2nd – 18 points
 - 3rd – 15 points
 - 4th – 12 points
 - 5th – 10 points
 - 6th – 8 points
 - 7th – 6 points
 - 8th – 4 points
 - 9th – 2 points
 - 10th – 1 point
- 3.3.7 The league winner will be the pilot with the most league points from 3 of the 4 competitions. If 3 competitions are held the best 2 of 3 results will count. If 2 competitions are held, the best competition score will count. The league winner will be awarded a BMFA Trophy.
- 3.3.8 The pilot with the most league points from all events will be awarded the BMFA Sid Allen Trophy.
- 3.3.9 League table draws to be resolved as follows: -
- Highest placing.
 - E.g. Pilot 1 has 25 points by winning 1 event. Pilot 2 has 25 points finishing 3rd at event 1 and 5th at event 2.
 - Pilot 1 placed above pilot 2 in the league.
 - Highest average score from all counting events using all counting rounds as a percentage of the maximum score possible.
 - E.g. Pilot 1 scores 357, 392 & 395. Avg = 381.33. % of max = 63.5%. Pilot 2 scores 379.33. Avg = 379.33. % of max = 63.2%
 - Pilot 1 places above pilot 2 in the league.
- 3.3.10 In the event that a selected pilot should find themselves unable to attend the International event for which they have been selected, or unable to prepare properly, they should inform the Team Manager or the GBRCAA committee at the very earliest opportunity in order to give a reserve pilot as much time as possible to arrange to take their place.
- 3.3.11 Any disputes at BMFA Team Selection events shall be resolved using the guidelines set out in the Protests and Appeals section of the BMFA Contest Rules, Section 5; R/C Power.
- 3.3.12 **Selection of Junior Team Members for World and European Competitions.**
- 3.3.12.1 A junior may make up the fourth member of an International team providing they satisfy the rules in the current FAI Sporting Code and the GBRCAA rules for junior qualification below.
- 3.3.12.2 Rules for Junior Team member qualification:
- 3.3.12.2.1 Inclusion as the fourth team member is subject to the BMFA guidelines for ‘young and vulnerable persons’ and be accompanied to the event by the parent, guardian or responsible person.
- 3.3.12.2.2 The Junior must compete in recognised BMFA Team Selection events.
- 3.3.12.2.3 To qualify for BMFA Team Selection league points, a junior must have achieved on average at least

85% of the event winners score to have their points counted in the BMFA Team Selection league.

3.4 The BMFA British National Championships

- 3.4.3 All schedules shall be offered and will be run to GBRCAA rules.
- 3.4.4 The number of entries shall not be limited. The number of rounds will be reduced to accommodate additional entries.
- 3.4.5 The competition for the National Champion will use the 'P' and 'F' schedules as would the BMFA Team Selection competition if the Championship is designated as one of the Team Selection competitions.
- 3.4.6 BMFA Team Selection format and rounds to count shall be as follows:
- 6 Rounds 5 from 6– 4P, 2F (3 from 4 P + best F.)
 - 5 Rounds Best 4 to count 3P, 2F (2 from 3 P + best F.)
 - 4 Rounds - 3P, 1F (2 from 3 P + F.)
 - 3 Rounds – 2P, 1F (Best P + F)
 - 2 Rounds – 2P (Best P)
 - 1 Rounds – 1 round will count.
- 3.4.7 A judges warm up flight should be flown at the start of each competition for National Champion or BMFA Team Selection competition. The warm up flight will be flown by a volunteer pilot who will be drawn at random at the pilots briefing. The warm up flight must be a 'P' schedule. Pilots flying both the P and F schedule will be excluded from this process. This can be achieved by flying the National League 'P Only' competition first provided the same judging panel is used.
- 3.4.8 There will be at least 2 judges, but preferably 3 judges. The GBRCAA Chief Judge will decide who is qualified to judge these competitions and will, with agreement of the Contest Director organise the judges for a particular competition.
- 3.4.9 Contest Directors should appoint a Jury in case of disputes or contentious decisions through the day, maybe due to changes in the weather conditions. The jury should be made up of the Contest Director, Chief Judge and 1 (or 2) senior pilots who could be elected from the entry list. If a decision affects any of those appointed, they should be replaced on the jury before the meeting takes place.
- 3.4.10 Entry forms are printed in the BMFA News or can be downloaded from the BMFA web site at bmfa.org and should be sent to the BMFA Head Office as instructed on the form.
- 3.4.11 All entry fees will be sent to the BMFA as instructed on the competition entry form. The BMFA will deduct any license fees payable and marquee hire. The GBRCAA will receive the balance (after expenses are paid) to pay judges and expenses incurred. The GBRCAA have agreed to absorb any losses and any surplus included in the GBRCAA Competition Account.
- 3.4.12 Entry to the BMFA British National Championships is not restricted to GBRCAA members but pilots must hold a BMFA 'B' Certificate or equivalent.
- 3.4.13 All models will be subject to safety checks.
- 3.4.14 The BMFA British Nationals Champion and therefore the British Champion will be the winner of P and F schedule competition and be awarded the SMAE Radio Control Trophy.
- 3.4.15 Pilots flying other schedules may be asked to judge, and volunteers will be needed to scribe for the judges or may be allocated by the Contest Director.
- 3.4.16 Early starts may be organised on the Sunday and Monday to maximise the flying time available.

3.5 The GBRCAA Championships.

- 3.5.1 The GBRCAA Championships shall be 1 of the 4 BMFA Team Selection competitions.
- 3.5.2 The BMFA Team Selection competition will be run to BMFA Team Selection rules.
- 3.5.3 All other schedules shall be offered and will be run to GBRCAA National League rules.

- 3.5.4 The number of entries shall not be limited. The number of rounds will be reduced to accommodate additional entries.
- 3.5.5 The BMFA Team Selection event shall use Preliminary, Finals and Unknown schedules.
- 3.5.6 BMFA Team Selection format and rounds to count shall be as follows:
- 6 rounds – 2P, 2F, 2Ukn (Best P + F + Ukn + next highest score)
 - 5 Rounds – 2P, 2F, 1Ukn (Best P + F + Ukn)
 - 4 Rounds – 2P, 2F (Best P + F + next highest score.)
 - 3 Rounds – 2P, 1F (Best P + F.)
 - 2 Rounds – 2P (Best P)
 - 1 Rounds – 1P
- 3.5.7 A judges warm up flight should be flown at the start of each BMFA Team Selection competition. The warm up flight will be flown by a volunteer pilot who will be drawn at random at the pilots briefing. The warm up flight must be a 'P' schedule. BMFA Team selection pilots will be excluded from this process. This can be achieved by flying the National League 'P Only' competition first provided the same judging panel is used.
- 3.5.8 There will be at least 2 judges, but preferably 3 judges. The GBRCAA Chief Judge will decide who is qualified to judge these competitions and will with agreement of the Contest Director organise the judges for a particular competition.
- 3.5.9 Contest Directors should appoint a Jury in case of disputes or contentious decisions through the day, maybe due to changes in the weather conditions. The jury should be made up of the Contest Director, Chief Judge and 1 (or 2) senior pilots who could be elected from the entry list. If a decision affects any of those appointed, they should be replaced on the jury before the meeting takes place.
- 3.5.10 The GBRCAA Championships may be held over two days at a venue to be decided at the Annual General Meeting.
- 3.5.11 The Contest Director will be appointed at the Annual General Meeting.
- 3.5.12 The GBRCAA Championships Champion will be the GBRCAA member with the highest finishing position in the BMFA Team Selection competition and awarded the GBRCAA Mike Birch Trophy.
- 3.5.13 The Unknown schedules should be chosen by pilots at a gathering organised on the Saturday or by the electronic system used by the FAI.
- 3.5.14 A two-day event will attract double entry fees. At the discretion of the Contest Director, entries may be accepted for one-day competition at a single-entry fee; however the one day competitor cannot win the event.
- 3.5.15 Pilots flying other schedules may be asked to judge, and volunteers will be needed to scribe for the judges or may be allocated by the Contest Director.

3.6 UK F3A World Cup.

- 3.6.1 These are International League events organised around Europe. They may be 2 or 3-day events with a day offered before the competition for pilot's arrival, registration and free rotational practice.
- 3.6.2 The UK F3A World Cup will normally be 1 of the ~~3~~ 4 BMFA Team Selection events.
- 3.6.3 The BMFA Team Selection competition will be run to FAI World Cup rules as specified in the F3A Sporting Code.
- 3.6.4 The number of entries will be limited at the discretion of the organising committee taking into account available flying time and expected entry demand.

- 3.6.5 A results sheet shall be produced with only those pilots holding a United Kingdom FAI license and therefore eligible for the BMFA Team Selection competition. BMFA Team Selection league points shall be allocated based on 3.3.6
- 3.6.6 The top placed UK pilot as defined above shall be awarded the BMFA Taplin Cup.
- 3.6.7 Pilots must hold a current FAI Licence.
- 3.6.8 The GBRCAA will endeavour to hold a UK event if the Association has willing volunteers and the resources available. Our proposal to the FAI must be submitted at the beginning of November of the previous year to the event and in line with the requirements of the FAI.

4 BMFA Open League competitions.

4.1 General

- 4.1.1 Under BMFA rules the GBRCAA is required to organise a minimum of 3 centralised events per year, open to BMFA members.
- 4.1.2 The GBRCAA Competition Secretary shall nominate three National League events as 'BMFA Open League' events.
- 4.1.3 The nominated events shall be open to any BMFA member with a BMFA 'A' Certificate of Competence.
- 4.1.4 A BMFA Open League will be created for FAI P schedule pilots with points allocated based on finishing positions. League positions will be calculated from the best 2 of 3 competitions.
- 4.1.5 A team to represent England and our International Team Member at the Triple Crown will be selected from this league, based on finishing positions.
- 4.1.6 BMFA Open League competitors will be allocated points as follows:
- 1st place - 25 points
 - 2nd – 18 points
 - 3rd – 15 points
 - 4th – 12 points
 - 5th – 10 points
 - 6th – 8 points
 - 7th – 6 points
 - 8th – 4 points
 - 9th – 2 points
 - 10th – 1 point
- 4.1.7 League table draws to be resolved as follows: -
- Highest placing.
 - E.g. Pilot 1 has 25 points by winning 1 event. Pilot 2 has 25 points finishing 3rd at event 1 and 5th at event 2.
 - Pilot 1 placed above pilot 2 in the league.
 - Highest average score from all counting events using all counting rounds as a percentage of the maximum score possible.
 - E.g. Pilot 1 scores 357, 392 & 395. Avg = 381.33. % of max = 63.5%. Pilot 2 scores 379.33. Avg = 379.33. % of max = 63.2%
 - Pilot 1 places above pilot 2 in the league.
- 4.1.8 The winner of the BMFA Open League shall be the winner of the BMFA Aeromodeller International Radio Control Trophy.
- 4.1.9 The GBRCAA Keep Flying Trophy, GBRCAA Ray Brotherston Cup and GBRCAA Skyleader Trophies shall be allocated by the Competition Secretary to be awarded to the FAI winner.
- 4.1.10 All other schedules shall be offered and will be run to GBRCAA National League rules.
- 4.1.11 FAI pilots results will also count towards the Team Selection League. Therefore pilots flying the 'P' schedule in the two competitions designated as BMFA Team Selection will have their scores recalculated and added to the Team Selection league.
- 4.1.12 The format and rounds to count shall be as follows (Same schedule flown in Preliminary and Final rounds):
- 6 rounds – 4 Preliminary Rounds, 2 Final Rounds (3 from 4 Preliminaries + best Final)
 - 5 Rounds – 4 Preliminary Rounds, 1 Final Rounds (3 from 4 Preliminaries + Final)
 - 4 Rounds – 3 from 4

- 3 Rounds – 2 from 3
- 2 Rounds – 1 from 2
- 1 Rounds – 1 round will count.

4.1.13 Any disputes at BMFA Open League events shall be resolved using the guidelines set out in the Protests & Appeals section of the BMFA Contest Rules, Section 5; R/C Power.

5 GBRCAA National League competitions.

5.1 General

- 5.1.1 With the help of members who are prepared to host and/or organise a competition, the Competition Secretary will, after BMFA Team Selection competitions and other competitions with fixed dates are agreed, endeavour to fill all the free dates on the competition calendar. The 'other' competitions with traditionally set dates are: The BMFA British National Championships, Triple Crown and the F3A World Cup league events (particularly the UK event, but there may be others that attract several GBRCAA members and judges). There may also be some competitions that are hosted by model flying clubs who may expect their annual date for a F3A competition to be fixed around a particular weekend.
- 5.1.2 The competitions will be added to the competition calendar by the Competition Secretary and published on the GBRCAA web site and advertised on the BMFA web site.
- 5.1.3 All schedules should be offered to pilots and 3 rounds should be expected to be flown. If time allows there may be occasions when more rounds are flown.
- 5.1.4 Raw scores will be used to select the winner of the competition and to calculate league positions as set out below (See 0).
- 5.1.5 At least 2 judges will be used to judge the competition. These may be GBRCAA official judges or pilots flying other schedules, or a combination of both.
- 5.1.6 Pilots will be asked to scribe for judges.
- 5.1.7 The format and rounds to count shall be as follows (Same schedule flown in Preliminary and Final rounds):
- 6 rounds – 4 Preliminary Rounds, 2 Final Rounds (3 from 4 Preliminaries + best Final)
 - 5 Rounds – 4 Preliminary Rounds, 1 Final Rounds (3 from 4 Preliminaries + Final)
 - 4 Rounds – 3 from 4
 - 3 Rounds – 2 from 3
 - 2 Rounds – 1 from 2
 - 1 Rounds – 1 round will count.
- 5.1.8 **Disputes**
- 5.1.8.1 If there are any disputes regarding these procedures or its application, then the matter shall be decided by a majority vote of the current GBRCAA Committee whose decision will be final and binding. The GBRCAA Chairman shall not have a casting vote and if there is equality of votes, the matter in dispute will be referred to the BMFA for a final and binding decision.
- 5.1.8.2 Any member of the Committee who in the reasonable opinion of the GBRCAA Chairman has a direct and material interest in the decision of the Committee (e.g. because it may affect their place in a team) shall not be entitled to attend the committee meeting or to vote on the matter.

5.2 National League

- 5.2.1 A National League will be compiled for all National League competitions and published on the GBRCAA web site.
- 5.2.2 Points will be awarded according to the following formulae and a league trophy will be awarded to the competitor flying each schedule scoring the highest number of points in 5 competitions each year. The winner of the competition will receive 10 points. The following pilots will receive a score as a percentage of the winners score. For example, if the winner receives 500 points and second place receives 400 points the second-place pilot will get 8 points. 2nd place - $400/500 \times 10 = 8$ points.
- 5.2.3 In addition, competitors will receive additional bonus points based on their score as a % of the maximum score available, from a maximum of 20 points to a minimum of 2. See table below:

Score	Bonus Points
80.001% - 100%	20
77.501% - 80%	19
75.001% - 77.5%	18
72.501% - 75%	17
70.001% - 72.5%	16
67.501% - 70%	15
65.001% - 67.5%	14
62.501% - 65%	13
60.001% - 62.5%	12
57.501% - 60%	11
55.001% - 57.5%	10
52.501% - 55%	9
50.001% - 52.5%	8
47.501% - 50%	7
45.001% - 47.5	6
42.501% - 45%	5
40.001% - 42.5%	4
0 - 40%	2

Note: Qualifying competitions are those which use 'raw scores' to determine the winner.

5.2.4 Ties in National League table

5.2.4.1 In the case of a tie, the winner is the flyer with the highest average total counting scores of the 5 counting competitions.

6 Triple Crown.

6.1.1 A competition for the RCM&E Trophy is held annually by England, Scotland and Ireland in rotation.

6.1.2 There will be 4 judges; 2 from the host country and 1 from each of the other countries.

6.1.3 There will be 4 teams of 4 pilots; 1 team of 4 from each nation and a 4th team made up of 1 pilot from each country and 2 pilots from the host country. The 4th team will be called the 'International Team' and a team member from the host country will be captain.

6.1.4 The English and International Team member will be chosen from the BMFA Open League.

6.1.5 Members of Scotland and Irish teams are decided by their own Aeromodelling Associations.

6.1.6 The competition will be run to FAI rules except there will be no model processing or flight timing. (There may be sound checks to comply with local flying site rules).

6.1.7 The team flying order is chosen by lottery by the Team Captains at the pilots briefing.

6.1.8 The captain of each National Team, usually the top qualifying pilot for that country, will decide on the order of flight within the team and this can change for each round.

- 6.1.9 The competition is held over a weekend close to the beginning of July, but this can change with an agreement from each country.
- 6.1.10 Friday prior to the event is used to greet teams and for free practice using a rotation list.
- 6.1.11 There will be 2 Preliminary schedule rounds flown on Saturday and 2 on Sunday.
- 6.1.12 Organisers should keep in mind that the finish time on Sunday should be agreed, if possible, to help those who have long journeys home, but a time of 16:00 to finish flying would be reasonable.
- 6.1.13 Food on the field for competitors, judges and helpers during competition days will be provided by the host country.
- 6.1.14 An evening meal is usually organised for the Saturday evening and paid for by those attending.

7 Other Events

- 7.1.1 For the benefit of GBRCAA members the Association may hold training days for pilots and judges called 'Established Pilots Open Days' (EPods).
- 7.1.2 Members are also encouraged to host and organise 'New Pilots Open Days' (NPods) for any flyer who wishes to 'have a go' at simple aerobatic manoeuvres or schedules and receive advice from established F3A pilots. The model will be below 7Kgs and conform to local club rules.

8 F3P BMFA VARIATIONS ON ELECTRIC INDOOR AEROBATICS (GBRCAA Rules)

8.1 General

- 8.1.1 The F3P league events usually start in November and continue until the end of February the following year.
- 8.1.2 National League competitions can be organised by any volunteer Contest Director but events must be advertised on the GBRCAA web site, with at least 7 days' notice. GBRCAA rules must be followed for the competition to qualify for league points. The FAI AP schedule and the GBRCAA 'B+', 'B' and 'C' schedules may be flown. If prior notice is given and there is sufficient time, an Aeromusical round or the AF schedule may be flown.
- 8.1.3 League tables will be published on the gbrcaa.org web site
- 8.1.4 Schedules are agreed at the GBRCAA Annual General Meeting and are designed to give everyone the opportunity to compete.
- 8.1.5 Any new schedule proposed at the Annual General Meeting has to be accompanied by the manoeuvre descriptions and judge's notes before it can be considered. If no new schedule is presented fully and passed at the AGM, last year's schedules will continue to be flown.
- 8.1.6 The 'C' schedule is considered to be the entry level competition schedule.

8.2 Financial Viability

- 8.2.1 Financial viability of all events is paramount i.e. expenses for a given competition cannot exceed income. It is the responsibility of the Contest Director to ensure that each competition is financially viable.

8.3 F3P BMFA Team Selection Events

- 8.3.1 F3P BMFA Team Selection competitions will be organised to decide members of the United Kingdom Team to compete at the European and World Championships and will be run to the rules in the current FAI Sporting Code, Volume F3, Radio Control Aerobatics.
- 8.3.2 The FAI AP and AF schedules are listed in the current issue of the FAI Sporting Code.
- 8.3.3 There will be a minimum of 3 BMFA Team Selection events each year and these may include the BMFA Electric Indoor Masters. Competitions may include both FAI schedules.
- 8.3.4 If 4 events are organised the best 3 competitions count for final league positions. If 3 competitions are organised the best 2 counts, if 2 competitions are organised the best 1 count. If only 1 competition is run then this result is taken as the final league result.
- 8.3.5 At the end of the season the top 3 pilots in the F3P BMFA Team Selection league will be recommended to the BMFA to represent the United Kingdom in International championships the following year.
- 8.3.6 If any pilot is unable to take up their place in the team, they should inform the Team Manager or the GBRCAA committee at the very earliest opportunity so the next pilot on the list can be asked to join the team. The team will consist of 3 pilots plus a junior as defined in the FAI Sporting Code, as long as that juniors scores in the qualifying competitions has reached a level of at least 85% of the top scoring pilot in the league.
- 8.3.7 All competition dates will be published on the GBRCAA web site or forum, and in addition in the BMFA web site. The BMFA Team Selection events will be advertised as "BMFA Team Selection events" and all competitions will be the subject of a forum post on the GBRCAA web site.

- 8.3.8 The GBRCAA 'B+', 'B' and 'C' schedules should be offered to be flown at the same competition/venue for domestic league points providing there is sufficient time. Priority entry must be given to those pilots competing for a GBR Team place.
- 8.3.9 Domestic League competitors will be awarded league points. The Contest Director may decide to fly the AF and the AM schedules if time allows providing previous notice is given. GBRCAA F3P Schedules See: <http://www.gbrcaa.org/f3pschedules.htm>
- 8.3.10 At competitions competitors should expect to fly at least 5 rounds, and to save time, rounds may be paired together and flown one after the other. The model must land at the end of the first schedule, so the landing and take-off can be scored for each flight. Batteries can be changed if necessary between flights.

8.4 The BMFA Electric Indoor Masters

- 8.4.1 This is a 2-day competition for F3P models organised by the BMFA. A sports hall in the middle of the country is hired for the purpose.
- 8.4.2 Anyone can enter providing they abide by the rules of the BMFA and the FAI Sporting Code for F3P aerobatic model aircraft and invariably the event attracts entries from around Europe.
- 8.4.3 Traditionally the GBRCAA is asked to organise the F3P competitions which will slot into the programme alongside Aeromusicals, freestyle and other events.
- 8.4.4 The event may be announced as a BMFA Team Selection event and all scores from the GBRCAA schedules will be added to the league tables.
- 8.4.5 The entry fee will be decided by the BMFA.

8.5 Presentations

- 8.5.1 At GBRCAA competitions certificates or trophies will be presented to the first 3 places flying each schedule.
- 8.5.2 Perpetual Optifuel and Electricwingman rose bowl trophies will be presented to league winners at the last competition of the season.

9 BMFA & GBRCAA Trophy Summary

9.1 BMFA Team Selection League

League Winner	TBC*	Awarded at the BMFA AGM Dinner
Most Points from all Team Selection Events	Sid Allen Trophy*	Awarded at the BMFA AGM Dinner

9.2 The BMFA National Championships

FAI: P & F	SMAE Trophy*	Awarded at the BMFA AGM Dinner
FAI : P	GBRCAA	Awarded at the Event
Masters:	GBRCAA	Awarded at the Event
Intermediate:	Yvonne Weller Bowl	Awarded at the Event
Clubman:	GBRCAA	Awarded at the Event

9.3 GBRCAA Championships

FAI: P & F (GBRCAA Member)	Mike Birch Trophy	Awarded at the Event
FAI : P	GBRCAA	Awarded at the Event
Masters:	GBRCAA	Awarded at the Event
Intermediate:	MacGregor Trophy	Awarded at the Event
Clubman:	GBRCAA	Awarded at the Event
Best Junior:	Bob Hall Trophy	Awarded at the Event

9.4 UK World Cup

FAI	Taplin Trophy *	Awarded at the BMFA AGM Dinner
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9.5 BMFA Open League

League Winner	Aeromodeller Trophy*	Awarded at the BMFA AGM Dinner
Open Competition Winner	GBRCAA Keep Flying Trophy	Awarded at the Event
Open Competition Winner	GBRCAA Ray Brotherston Cup	Awarded at the Event
Open Competition Winner	GBRCAA Skyleader Trophy	Awarded at the Event

9.6 GBRCAA National League

FAI : P	Optipower Cup	Awarded at the GBRCAA AGM
Masters:	Optifuel Cup	Awarded at the GBRCAA AGM
Intermediate:	GBRCAA	Awarded at the GBRCAA AGM
Clubman:	GBRCAA Cup	Awarded at the GBRCAA AGM
Best Junior:	RCM&E Bowl	Awarded at the GBRCAA AGM

9.7 GBRCAA F3P League

"A" Schedule	Optipower Trophy (A)	Awarded at the Final Event
"B" Schedule	Electricwingman Trophy	Awarded at the Final Event
"C" Schedule	Optipower Trophy (C)	Awarded at the Final Event