

BGA LAWS AND RULES

GLIDING AEROBATICS BADGE REQUIREMENTS

Version 1.0 | **Effective date 1 Feb 15**

In the United Kingdom, aerobatic competition for both powered and glider (full size) is governed by the British Aerobatic Association.

The aerobatic badge scheme was developed jointly by the British Aerobatic Association (BAeA) and the BGA and includes four levels of competence:

Standard - Competent to undertake solo test sequence of basic figures only

Sports - A high standard of competence in basic +ve G figures

Intermediate - A high standard of competence in advanced figures involving rolling and inverted flight

Unlimited - A high standard of competence in advanced figures involving rolling and inverted flight

Note: The Standard test qualifies for the BGA aerobatic endorsement.

Aerobatic Badge Tests

- The candidate must have received clearance from a BGA Aerobatic Instructor to carry out the figures included at the relevant level before attempting any test. For the Standard badge this clearance may be given by a Full Cat. Instructor authorised for the purpose by the local CFI.
- The candidate must be alone in the aircraft for each test.
- The Standard badge test may be witnessed by any BGA Aerobatic Instructor or by a Full Rated Instructor authorised for the purpose by the local CFI.
- The Sports and Intermediate badge tests are to be witnessed by a BGA Regional Aerobatic Examiner unless scored by a BAeA judge or judges.
- The Unlimited badge test is to be witnessed and scored by no less than three BAeA, or three internationally recognised, aerobatic judges.
- Scoring of Sports, Intermediate and Unlimited badge tests will be in accordance with the 'BAeA Criteria for Judging Aerobatic Figures' as published by the British Aerobatic Association. No qualifying flight may contain a zero score.
- More than one test may be completed on a single flight.
- Marks for positioning and harmony are included in total scores for the Sports, Intermediate and Unlimited flights.

Standard

Clearance by a BGA Aerobatic Instructor, or authorised Full Rated Instructor to undertake a solo sequence including each of the following figures. Direction of turn in each figure to be at the pilot's discretion.

- 45 degree climbing and diving lines (k7)
- Loop (k10)
- Wingover (k12)
- 270 degree erect turn (k5)
- Humpty Bump (k13)

Sports

Scored sequence containing figures taken from the following list:

- 45 degree line (k7)
- Loop (k10)
- Wingover (k12)
- 270 or 180 degree erect turn (k5/4)
- Positive, One Turn Spin (k14)
- Humpty Bump (k13)
- Quarter clover (k16)
- Stall turn (k17)

The total k factor for the sequence shall be between 120 and 135K and all figures from the prescribed list must be included. No figure shall be repeated more than once.

A default sequence may be chosen from the BAeA Sports class known sequences published for the period of the test.

A minimum score of 70% is required to pass. If the test is carried out as an entry in a BAeA competition the official final scores, after computation in accordance with the official scoring system, will be taken as evidence of satisfactory performance.

Intermediate

The Intermediate Badge test shall comprise one known or free programme and one unknown sequence as defined below:

a) Known Sequence -

Scored sequence containing 12 figures chosen by the candidate from the following list:

- 45 degree climbing and diving lines (k7)
- Loop (k10)
- Wingover (k12)
- 270/180 degree erect turn (k5/4)
- 180 degree inverted turn (k5)
- Positive Spin (k14 to k18)
- Humpty Bump (k13)
- Quarter clover (k16)
- Stall turn (k17)
- Slow roll (k14)
- Half roll inverted (k8)
- Half roll erect (k8)
- Cuban eight (k31)
- Half Cuban (k16)
- Half reverse Cuban (k19)
- Split S (k12)

The total k factor for the sequence shall be between 130 and 140K and no figure shall be included more than once. A default sequence may be chosen from the BAeA Intermediate Class known or free sequences published for the period of the test.

b) Unknown Sequence

A scored unknown sequence containing a maximum of 14 figures from the forgoing list, set by the examiner on the day of the test and flown without practice. The minimum k factor shall be as defined for the known sequence. This test may be carried out as part of an entry in a BAeA Intermediate Class competition.

A minimum score of 75% is required to pass in both the known and the unknown sequences. If the test is carried out as an entry in a BAeA competition the official final scores, after computation in accordance with the official scoring system, will be taken as evidence of satisfactory performance. The known/free and unknown sequences may be flown on different days.

Unlimited

The Unlimited Badge test shall comprise one known, one unknown and one free sequence as defined below:

a) Known Sequence

The Known Compulsory programme for Glider Aircraft published by CIVA for the current year.

b) Unknown Sequence

To be constructed by a minimum of three unlimited glider aerobatic pilots in accordance with CIVA Regulations for Unknown Compulsory programmes for Glider Aircraft. To be presented to the candidate on the day of the test and flown without practice.

The total k factor for the sequence shall be between 170 and 185K.

c) Free Sequence

To be constructed by the candidate in accordance with CIVA Regulations for Free Programmes for Glider Aircraft.

The total k factor for the sequence shall not be less than 230.

A minimum score of 75% in each sequence is required to pass. If the tests are carried out as an entry in a BAeA or International competition the official final scores, after computation in accordance with the official scoring system, will be taken as evidence of satisfactory performance. In all other circumstances the average of the judges scores will be used to assess compliance.

Positioning and Harmony marks will be included in the final scores as defined in the CIVA Regulations 'Part Two - Events for Glider Aircraft'.

The known, unknown and free sequences may each be flown on different days.

End.