

BPA NATIONALS 2019 IN TRACKING SUIT PERFORMANCE FLYING

Venue: Skydive Buzz
Dunkeswell Airfield, Nr Honiton, Devon, EX14 4LG
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Events: BPA Nationals Tracking Suit Performance Flying

The BPA Tracking Suit Nationals meet is held over the course of three days.

The BPA Tracking Suit Nationals will run parallel with the Wingsuit Performance and Acrobatics events over the three days.

Monday: 17.00hrs Deadline for final registration (all events).

All competitors will make themselves available/report in at the drop zone at 09.00hrs of each day of competition for start of day brief and make themselves available for first load, unless informed by meet director the previous day or during the start of the day brief by the meet director.

1. COMPETITION DATES

Tuesday 2nd July 2019 to Thursday 4th July 2019.

2. OTHER DATES

a) Entry Form,

Entry Fees and booking in by 17.00hrs on Monday 1st July 2019.
Nationals Entry Form & Indemnity Form can be found on BPA (Form 274).

b) Competitors Briefing:

19.00hrs Monday 1st July 2019.

3. PRACTICE JUMPS

Practice jumping will be allowed up to 18.00hrs Monday 1st July 2019.

Note: Skydive buzz will be open for normal jumping program from 9.00hrs 28th June 2019 upto start of competition and afterward until the last lift on Sunday 7th July 2019.

4. ENTRY FORMS AND FEES

- a) Completed Entry Forms accompanied by the Entry Fee must reach Skydive Buzz, Dunkeswell Airfield, Nr Honiton, Devon, EX14 4LG by 17.00hrs Monday 1st July 2019. After 17.00hrs the drop zones office will be closed.
- b) General entry fees are **not** refundable under any circumstances.
- c) **Entries** will only be accepted up to 17.00hrs on Monday 1st July 2019 or at the discretion of the Meet Director.
- d) In the event of any competitor being unable through personal commitments, or injury, or any other reason, to complete any part of the competition, **no** outstanding jump fees will be refunded.
- e) Full refunds will be available on jumps not taken due to incomplete Events. However, this does not apply to eliminator rounds.
- f) Tracking Suit Performance.
 - 1. Entry Fee – £60 per person.
 - 2. Jump Fees – 6 jumps in total @ £26 per jump = £156 plus entry fee.

5. BOOKING IN

- a) All competitors must book in by and be present on site at 17.00hrs on Monday 1st July 2019. Exceptions to this as agreed by the Meet Director / Organiser.
- b) All outstanding competition jump fees to be paid for when booking in (see note below).
- c) Tracking Suit Performance – Jump fees £26 per person / per task.
- d) Protest Fee £50.
- e) Re-jumps All re-jumps at above rates.

Note:- The above tariff includes a BPA levy towards the British Team Fund of £5.00 per entry fee and £1.00 per person per paid jump as required.

6. DOCUMENTATION

All competitors will be required to produce the following documentation when booking in:

- a) **Full** valid BPA membership.
- b) Minimum BPA 'C' Licence and a minimum of 200 descents.
- c) A current Medical Certificate/Declaration.
- d) The competitors current and up to date Parachutists Log Book.
- e) Tracking Suit Performance competitors must have minimum TR1 (Hosting DZ CI has final approval). Competitors must have completed at least 20 jumps in the last 3 months.

7. COMPETITION AIMS

To determine the British National Champions in Tracking Suit Performance Flying.

8. EQUIPMENT

Each individual is responsible for supplying their own equipment. This must consist of:

- a) A serviceable main and reserve parachute, container and harness. This must be 'freely friendly' equipment (at CI's discretion). No extra weight permitted.
- b) The use of an electronic Automatic Activation Device (AAD) and Audible Altimeter is mandatory.
- c) A reserve packing data card and record of inspection if packed by a BPA packer.
- d) Suitable clothing and footwear of a protective nature.
- e) Suitable mobile phone with DZ phone number programmed in.

N.B. All equipment and documents must comply with the requirements of the BPA Operations Manual.

9. COMPETITION AIRCRAFT

At time of writing the competition aircraft is expected to be at least one Beech 99 (16 Jumpers per aircraft; left hand door).

10. COMPETITION OFFICIALS

Competition Officials will be notified during the competition Briefing.

11. CATERING FACILITIES

Full catering facilities will be available either at the drop zone or at the drop zones restaurant a short walk from the drop zone during competition times.

12. DRUG TESTING

The BPA fully supports Drug-Free Sport and is committed to preventing drug misuse in sport parachuting. Drug misuse is cheating and it may prejudice your safety and the safety of others. There is no place for the misuse of drugs in our sport. The BPA's Anti-Doping Policy and Rules are set out in **BPA Form 220** which is downloadable from the BPA website and available on request from the BPA Office.

ANY COMPETITOR may be required to take a random drugs test. Refusal to provide a urine sample for analysis will result in disqualification. Many medications that you may need to take for common medical conditions, such as asthma or hay fever, may contain Prohibited Substances. It is vital that you do not accidentally take a prohibited substance, the On sequences are the same as if you were doping. Getting it from a doctor on prescription is no defence!

For further information, please see the anti-doping page of the BPA website <http://www.bpa.org.uk/competition/drug-free-sport> which has links to the FAI and World Anti-Doping Agency (WADA) websites, where you can find up-to-date information about the prohibited list of substances and therapeutic use exemptions (see below).

Each competitor is **STRICTLY LIABLE**- this means that it is your own personal responsibility as a competitor to ensure you comply fully with this policy. A positive test result means disqualification for the whole team, a loss of any sponsorship, and a ban for the individual. BPA Form 220 sets out the procedure to be followed in the event of a positive test. The test is concerned with whether a prohibited substance is present in the body, not how or why it got there.

The Therapeutic Use Exemption (TUE) application process gives competitors a means of attaining approval to use a prescribed Prohibited Substance or Method for the treatment of a legitimate medical condition. This process is in place to protect the rights of competitors to compete on a level playing field.

Any competitor with a TUE must attach a copy to the competition entry form, and must also file a copy with the BPA Office before he or she competes. TUE forms may be downloaded from the anti-doping section of the FAI website:

13. PRIZE GIVING

Prize giving will begin at approximately at 19.00hrs on Thursday 4th July 2019 at the drop zones own on site restaurant, The Aviator, followed by competition presentation meal (main course included in the £60 registration fee for competitors, extra meals will be available to order during the competition for family and friends) and once any dignitaries who will be involved in the presentation are available.

14. LICENCE TO USE IMAGES

In entering this competition, competitors agree to grant the BPA Ltd a royalty-free non-exclusive licence to use any video or other images submitted to the competition for training and judging purposes.

15. RULES

Technical Competition Rules for this event will follow the BPA TRACKING SUIT COMPETITION RULES 2019 which are FAI IPC COMPETITION RULES WINGSUIT FLYING 2019 EDITION adapted to suit the BPA – ATTACHED IN APPENDIX 1 WITH THIS DOCUMENT.

1 DEFINITIONS OF WORDS AND PHRASES

1.1 General Definitions

Position logging device (PLD): A device used to record the real-time, three-dimensional (3D) position of the trackingsuit flyer, which is mounted on the trackingsuit flyer's body or equipment.

Spherical error probable (SEP): The horizontal and vertical accuracy specifications of a PLD expressed in terms of a sphere of given radius; for example, "real-time accuracy <10 meters SEP."

Geometric Altitude: The height, as measured by a Global Navigation Satellite System, optical methods or radar, above ground level.

1.2 Performance Event

Competition window: A vertical 1000-meter window, starting at 3000 m (9843ft) Geometric Altitude and ending at 2000 m (6562ft) Geometric Altitude, in which the performance of the trackingsuit flyer is evaluated. The first crossing of the upper window boundary starts the evaluation process, which stops at the first crossing of the lower window boundary.

DZ Elevation: The ground level for the competition site will be determined by the Meet Director and will be made known at the pre-event competitors' meeting.

Designated Flight Path: The straight ground track between a point on the competitor's flight path reached 10 seconds after exit and a designated ground reference point, which is given prior to the jump to the competitor by the Meet Director using a detailed map or aerial photograph of the area. The map and/or photograph must be acceptable to the Meet Director.

Designated Lane: a lane which is centered on the Designated Flight Path with a width of 600 metres.

2 EQUIPMENT

2.1 Position Logging Device (PLD)

- 2.1.1 The PLD must record real-time three-dimensional (3D) data with a resolution of at least 5Hz and a position accuracy (SEP) of less than 10 meters.
- 2.1.2 The PLD must not require any action by the competitor in order for it to function, and it must activate its recording function automatically.
- 2.1.3 Once attached to the competitor, the settings on the device must not be capable of being altered by the competitor, nor must it be possible for the competitor to delete the data without this being easily evident to the Judges. Tampering with the device, as determined by the Panel of Judges, will result in a score of zero for the jump. This decision shall not be grounds for protest.

2.1.4 The data recorded by the PLD must be downloaded and saved as soon as possible after the competitor has handed in the devices, and before the PLD is used again

2.2 Equipment

2.2.1 Competitors shall not use propulsion systems. If any propulsion system is used, the score will be zero for that jump.

2.2.2 A competitor shall not wear any other electronic device or wires closer than 2.54cm from the PLD used for the purpose of the competition as measured by the judging staff. However, a second identical PLD unit may be worn without regard to this separation requirement. If any such electronic device affects the PLD system, and the source of the interference is not obvious and beyond the reasonable control of the jumper, a re-jump may be granted by the Chief Judge, in which case 3.6.3. will not apply.

2.2.3 Each competitor must wear a functioning audio altitude warning device on every jump. Failure to do so will result in a score of zero for that jump.

2.2.4 The PLD will be attached in its location by a Judge, if required.

2.2.5 The PLD will be turned on and off by a Judge or by the competitor if instructed to do so by any Judge.

2.2.6 Immediately after landing, the competitor shall return the PLD used on that jump to a Judge/Judges room.

2.2.7 If the PLD is found to have been tampered with, and if in the opinion of the Panel of Judges, this was not caused by circumstances beyond the control of the competitor, then no re-jump will be awarded, and the competitor will receive a score of zero for that jump. This decision shall not be grounds for a protest.

2.2.8 If the PLD malfunctions and, in the opinion of the Panel of Judges, the malfunction was not caused by action or interference by the competitor, then the competitor will be given the option of making a re-jump, in which case 3.6.3 will not apply, or receiving a score of zero for that jump.

2.2.9 The same parachute system can't be used in the wingsuit acro and performance competitions.

3 THE PERFORMANCE EVENT

3.1 Objective

3.1.1 The objective is to fly a single tracking suit in three separate tasks to demonstrate a combination of best lift (time task), best glide (distance task) and least drag (speed task).

3.1.2 Each round of the event is comprised of the three tasks.

3.1.3 Each task is performed on a separate flight.

3.1.4 There is no distinction as to gender

3.2 Tasks

3.2.1 **Time Task:** The tracking suit flyer is to fly with the slowest fall rate possible through the competition window. The result for this task will be the time spent in the competition window, expressed in seconds, rounded to one decimal place.

3.2.2 **Distance Task:** The tracking suit flyer is to fly as far as possible through the competition window. The result for this task will be the straight-line distance flown over the ground while in the competition window, expressed in meters, rounded to whole numbers.

3.2.3 **Speed Task:** The tracking suit flyer is to fly as fast as possible horizontally over the ground through the competition window. The result for this task will be the straight-line distance flown over the ground while in the competition window divided by the time spent in the competition window, expressed in meters per second, rounded to one decimal place.

3.3 Program

- 3.3.1 A competition shall consist of two rounds, with three tasks in each round, for a total of six flights.
- 3.3.2 At least one round must be completed to determine rankings and declare winners.
- 3.3.3 The minimum exit altitude is 3658 m/12,000ft Geometric Altitude. The maximum exit altitude (at the start of jump run) is 3810m /12,500ft Geometric Altitude.
- 3.3.4 For meteorological and/or Air Traffic Control reasons only, and with the consent of the Chief Judge, the Meet Director may lower the exit altitude to no lower than 3048m /10,000ft Geometric Altitude and continue the competition. The Competition Window does not change; i.e. it stays 3000-2000m. If the exit altitude is lowered it must apply for a complete task for all competitors
- 3.3.5 The order of tasks will be determined by a random draw conducted by the Meet Director or Chief Judge during the competitor briefing. This order may be changed by the Meet Director for meteorological or air traffic control reasons.

3.4 Jump Run and Exit Order

- 3.4.1 The jump run should be perpendicular to the wind line upwind of the designated landing area unless changed by the Meet Director for air traffic control reason, which is established by the Meet Director at the beginning of each day or round.
- 3.4.2 The starting order of the first task of jumping will be determined by a random draw conducted by the Meet Director or Chief Judge during the competitor briefing.
- 3.4.3 A Flight Director/Jump Master must be placed aboard an aircraft larger than eight places to assist competitors with identification of ground reference points and landmarks. Under no circumstances will such a Flight Director/Jump Master direct a competitor to exit. That decision is solely the responsibility of the competitor.
- 3.4.4 The number of competitors to exit on a single pass of the aircraft and the spacing of those exits will be determined by the Meet Director. The horizontal spacing must be no less than 600m. This will be expressed to the competitors as a time, in seconds, between exits. Immediately after exit, each competitor will turn directly towards his designated flight path.
- 3.4.5 Exit procedure: There are no limitations on the exit other than those imposed by the Meet Director for safety reasons. If a competitor exits in a manner deemed unsafe, the matter will be referred to the Meet Director by the Flight Director/Jump Master.

3.5 Flight Pattern

- 3.5.1 The first exit point on an aircraft pass will be determined by the Meet Director. The aircraft pilot will signal the competitors when they are clear to exit. The clear to exit signal must be given at least 600 metres before the first Designated Lane. All the competitors will be briefed on the specific exit signals at the pre-event competitors' meeting
- 3.5.2 The Designated Flight Path of each competitor using a ground reference point will be determined by the Meet Director and will be given to that competitor using a detailed map or aerial photograph.
- 3.5.3 A competitor must not leave his Designated Lane (DL). Violation of this rule during the time period from 10.0 seconds after exit to the exit of the competition window, as determined by the panel of judges, shall affect the result, as determined in 3.8.1, as follows:
 - 3.5.3.1 If less than 150 m outside the DL, a 10% reduction;
 - 3.5.3.2 if 150-300 m outside the DL, a 20% reduction;
 - 3.5.3.3 if, during the time period from 10.0 seconds after exit to the deployment of the parachute, a competitor is more than 300 m outside the DL a 50% reduction for the first such infringement or a score of zero for any such infringement on a subsequent jump.

The distance referred to will be measured at right angles to the DL boundary

3.5.4 At no time from exit to deployment of the parachute shall a competitor(s) come within 250m of any other competitor(s). Violation of this rule, as determined by the Chief Judge, will result in a score of zero for that jump. This decision shall not be grounds for protest.

3.5.5 Any violation of 3.5.3 or 3.5.4 that results in endangering other competitors shall be considered a serious endangerment and will be referred to the Chief Judge.

3.6 General Rules

3.6.1 The deployment altitude for each competitor will be pre-determined by the Meet Director and Chief Judge and must not exceed 5000ft AGL.

3.6.2 Any violation of 3.6.1 that results in endangering other competitors shall be considered a serious endangerment and referred to the Meet Director and Chief Judge.

3.6.3 All jumps for each task of a round should be made from the same, or back-to-back loads, in order that competitors jump in similar winds if possible.

3.6.4 Tracking Suit Performance classification BPA Nationals only

Tracking Suit is a suit designed purely for tracking and no other skydiving discipline. May have areas that inflate incorporated into its design but the tracking suit cannot in anyway restrict movement in flight or walking on the ground of the arms or legs, as interpreted by the Meet Director.

3.6.5 A competitor in the BPA Tracking Suit Performance competition can't take part in another competition on the scheduled dates of this competition.

3.7 Equipment

3.7.1 Competitors shall not carry additional or removable weight on their body or equipment. They must be weighed by the Chief Judge or another Judge as appointed by the Chief Judge at the start of the competition wearing all their normal jump equipment to establish a baseline weight. The Chief Judge, or another Judge appointed by the Chief Judge for the purpose, may conduct subsequent random weight checks at any point after a competitor has landed, which may fluctuate from the baseline weight by no more than +/- 2kg before requiring an inspection. If the addition or removal of weight is detected, the score for that jump will be zero. This decision shall not be grounds for protest.

3.7.2 The same tracking suit, without any changes or modifications of its parts, must be used throughout the competition. In exceptional circumstances, a tracking suit may be changed with the consent of the Chief Judge, e.g., if the original suit gets damaged and cannot be made airworthy.

3.7.3 Tracking suit will be inspected and marked by a Judge. Only marked suits may be used for the competition. Using an unmarked suit will result in a score of zero for that jump.

3.7.4 Each competitor shall wear one PLD. The device will be attached on the jumper's equipment with the antenna having a clear view of the sky, located and positioned to the satisfaction of the Judge. This decision shall not be grounds for a protest.

3.8 Determination of the Winners

3.8.1 Each task in each round will be scored based on the top result of the task performed in that round, adjusted by any penalties arising from 3.5.3, 3.5.4 and 3.5.5. The top result will be scored as 100%. The other results will be scored as a percentage of the top result.

3.8.2 The score calculated in 3.8.1 for all rounds for each separate task, will be averaged for each competitor for an intermediate score of the task.

3.8.3 The two intermediate scores for each task for each competitor are added and rounded to one decimal place to give the total score for the competitor.

3.8.4 The total score for the competitor determines the ranking.

3.8.4.1 In the event of a tie in the first three places, the following tie-break rules apply:

3.8.4.2 A tie-break jump will be made. The task shall be drawn at random by the Chief Judge.

3.8.4.3 If the tie cannot be broken by the tie break jump, the competitors concerned shall have equal placement.

3.8.4.4 Any other ties in the standings shall have equal placement.

5 JUDGING & SCORING

5.1 Performance Event

5.1.1 Scoring will be supervised by at least one Wingsuit Judge.

5.3 Other Judging Responsibilities – Performance

5.3.1 One or more individuals, supervised by the Chief Judge (or trainees under the supervision of the Chief Judge) may support the judges in equipment, device and data management.

5.3.2 One or more qualified individuals, supervised by the Meet Director, must observe the competitors during their descent and on opening. The observer must check for any conditions or incidents that might constitute grounds for a re-jump and/or disqualification for safety reasons. A written record must be made of any unusual observations or incidents.

5.3.3 The Chief Judge and/or Meet Director may interrupt the event if they determine the meteorological conditions are not safe for the conduct of the event. This decision is not grounds for a protest.

6 RULES SPECIFIC TO THE COMPETITION

6.1 Aims of the Competition

6.2.2 To determine the BPA Champions (1st, 2nd, 3rd) of Tracking Suit Performance Flying.

6.2.3 To promote and develop Tracking Suit Flying training and competition.

6.2.4 To establish new BPA Tracking Suit Flying competition records.

6.2.5 To present a visually attractive image of the competition jumps and timely standings (scores) for competitors, spectators and media.

6.2.6 To exchange ideas and strengthen friendly relations between wingsuit flyers, judges and support personnel.

6.2.7 To allow participants to share and exchange experience, knowledge and information.

6.2.8 To improve judging methods and practices.

6.3 Prizes and Awards

6.3.1 Performance Event

- Medals will be awarded to the 1st, 2nd, and 3rd place in the BPA Nationals.

ADDENDUM – PERFORMANCE FLYING: DFP, DL, PENALTIES

