

BRITISH SKYDIVING NATIONAL RECORDS

Guidance and Requirements

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Introduction

This document is an information source for competitors, load organisers and PTOs who have set or aim to set a National Record.

This document is to be used in conjunction with Form 243b (British National Skydiving Record Claim Form).

Current and previous British Records can be found at:

<https://britishskydiving.org/members-skydiving-records/>

Sub Classes of Records

(1) Competition Records

- AL Records
- CF Records
- CP Records
- FS and VFS Records
- SP Records
- WS Records

(2) Performance Records

- AL Records
- CF Records
- CP Records
- FS and VFS Records
- SP Record
- WS Records

(3) PTO Records

General Conditions

(1) All record attempts must be performed according to the British Skydiving or ISC Competition Rules. Team sizes for records must be as stated in the ISC Competition Rules, except for Largest Formation records, Large Formation Sequential and Full Break Large Formation Sequential.

A change of the conditions in the ISC Competition Rules, for example the working time or size of the Dead Centre Disc, will allow for the creation of a new set of records. When a change is made to the criteria applicable to a Performance Record so that the ratified record does not comply with the new criteria, or a Performance Record category is deleted, the ratified record will be retired and will no longer be considered a valid current record.

(2a) A competition record must be evaluated using equipment and scoring system(s) as per British Skydiving or ISC rules and certified by the number of Judges (including the CJ) required by the particular British Skydiving Competition Rules and each such Judge must have a valid rating for the particular discipline.

(2b) A performance record must be evaluated and certified by at least one British Skydiving judge in the relevant discipline, or, if at an overseas first or second category event, by an FAI rated judge in the relevant discipline. VFS orientation record performances may be evaluated and certified by either AE or FS Judges. If a judge is a participant in the record, they cannot verify it themselves.

(2c) Any large formation, large formation sequential, or large formation total break sequential records may be verified on Form 243b by a Chief Instructor (CI) providing that declaration of the intended jump and named persons (as stipulated in the relevant Performance Records section of this document) is submitted to a qualified judge remotely. A copy of the recording media and a verified manifest of the named persons must also be submitted to the remote judge for confirmation.

(3) A copy of the recording media or photograph of the Largest Formation and a copy of the recording media of the Large Formation Sequential and Full Break Large Formation Sequential must be included with the record claim documentation.

(4) The claim for certification of a record must be made using British Skydiving Form 243b. In all cases, the responsibility for completion and submission will lie with the record beneficiary (e.g. Team Captain/Load Organiser) to ensure that the record is claimed.

(5) Any record type not addressed in this document can be submitted in writing to EPC (prior to any record attempt) for consideration as a new category of British record.

COMPETITION RECORDS

Competition Records may only be established during the scheduled competition rounds at a National Championships or at an International Sporting Event that has been registered in the FAI Sporting Calendar.

Only the best score or performance of each separate, scheduled competition round may be awarded a new record, even though the round may extend over more than one day. Training jumps as defined in the Competition Rules, are not considered to be part of a scheduled competition round.

Joint Record Holders in CF, CP, FS, VFS, SP, and WS

(1) If two or more competitors or teams achieve the same record performance during the same competition round and thereby break an existing record, the new record shall be registered in the names of all the competitors or teams involved.

(2) If a competitor or team achieves a performance during a later round in the same event, which is equal to a new record performance achieved during an earlier round in that event, no recognition will be given to the performance in the later round as being a record performance.

AL Records

(1) The record performance of an individual is the lowest total of centimetres after a completed competition program of ten rounds as defined in the current Competition Rules.

(2) The record performance of a team is the lowest total of centimetres of the team after a completed competition program of eight rounds. The program and method of determining the team score is stated in the current Competition Rules.

(3) If two or more competitors or teams achieve the same record performance after the same completed competition program and thereby break an existing record, the new record shall be registered in the names of all the competitors or teams involved.

CF Records

(1) CF 4-way/2-way Rotations

1.1 The record performance for a 4-way/2way rotation is the number of stacks/planes made by rotation in accordance with the current Competition Rules.

1.2 The record performance for the highest average is the average number of formations for a completed competition program. (minimum 6 rounds) as defined in the current Competition Rules. The average must be calculated by dividing the final total point score (excluding any tie-break jumps/performances) by the total number of rounds.

(2) CF 4-way/2-way Sequential

2.1 The record performance for the longest sequence is the number of formations completed in accordance with the current Sequential Competition Rules.

2.2 The record performance for the highest average is the average number of formations for a completed competition program. (minimum 6 rounds) as defined in the current Competition Rules. The average must be

calculated by dividing the final total point score (excluding any tie-break jumps/performances) by the total number of rounds.

CP Records

(1) CP Distance

1.1 - CP Drag Distance 50m: The record performance is the greatest distance achieved in any round of the CP Drag Distance 50m Event in accordance with the current Competition Rules

1.2 - CP Max Distance: The record performance is the greatest distance achieved in any round of the CP Max Distance Event in accordance with the current Competition Rules.

(2) CP Speed

2.1 - CP Carved Speed 70m: The record performance is the lowest time achieved in any round of the CP Carved Speed 70m Event in accordance with the current Competition Rules.

2.2 - CP Drag Speed 50m: The record performance is the lowest time achieved in any round of the CP Drag Speed 50m Event in accordance with the current Competition Rules.

2.3 - CP Max Speed 50m: The record performance is the lowest time achieved in any round of the CP Max Speed 50m Event in accordance with the current Competition Rules.

FS and VFS Records

(1) The record performance for the longest sequence is the number of formations completed in any round in accordance with the current Competition Rules.

(2) The record performance for the highest average is the average number of formations for a completed competition program of 10 rounds (8 rounds for intermediate/junior categories) as defined in the current Competition Rules. The average must be calculated by dividing the final total point score (excluding any tie-break jumps/performances) by 10/8, as appropriate.

SP Records

(1) Highest average speed

1.1 The record performance of an individual is the highest average speed of the individual achieved in any round in accordance with the current Competition Rules.

1.2 The record performance of a team is the highest average speed of the team achieved in any round in accordance with the current Competition Rules.

(2) Highest overall average speed

2.1 The record performance of an individual is the highest average speed of the individual for a completed competition program in accordance with the current Competition Rules.

2.2 The record performance of a team is the highest average speed of the team for a completed competition program in accordance with the current Competition Rules.

WS Records

(1) WS Performance

(a) Distance: The record performance is the greatest horizontal distance achieved in any round of the Distance Task in accordance with the current Competition Rules.

(b) Speed: The record performance is the fastest speed achieved in any round of the Speed Task in accordance with the current Competition Rules.

(c) Time: The record performance is the longest time achieved in any round of the Time Task in accordance with the current Competition Rules.

(2) WS Acrobatic Longest Sequence.

The record performance for the longest sequence is the number of correctly completed grips in any compulsory round in accordance with the current Competition Rules.

Categories of Competition Record

(1) AL

- General Category (classic) – best performance achieved.
- General Category (Sport) – best performance achieved.
- General Category (Sport) – best performance achieved in Senior/Intermediate/Novice.
- Female Category – best performance achieved by a woman or a women's team, only if such a team is included in the Competition Rules.
- Junior Category – best classic performance achieved by a Junior.
- Junior Female Category – best classic performance achieved by a Junior Female.

(2) CF

- General Category – best performance achieved.
- General Category (2 way Sequential) – best performance achieved in Senior/Intermediate/Rookie.
- General Category (4way Sequential) – best performance achieved.
- General Category (4way Rotation) – best performance achieved.
- Female Category – best performance achieved by a woman or a women's team, only if such a team is included in the Competition Rules.

(3) CP

- General Category – best performance achieved by an individual.

(4) FS and VFS

- General Category – best performance achieved.
- General Category (FS 4way) – best performance achieved in AAA/AA/A/Rookie.
- General Category (FS 8way) – best performance achieved in Senior/Intermediate/Rookie
- General Category (VFS 2way) – best performance achieved.
- General Category (VFS 4way) – best performance achieved in Advanced/Intermediate
- Female Category – best performance achieved by a woman or a women's team, only if such a team is included in the Competition Rules.

(5) SP

- General Category – best performance achieved.
- Female Category – best performance achieved by a woman or a women's team, only if such a team is included in the Competition Rules.
- Junior Category – best performance achieved by a Junior.
- Junior Female Category – best performance achieved by a Junior Female.

(6) WS

- General Category (Performance) – best performance achieved in Senior/intermediate.
- General Category (Acrobatic) – best performance achieved in Senior/intermediate.
- Female Category – best performance achieved by a woman or a women's team, only if such a team is included in the Competition Rules

PERFORMANCE RECORDS

For Large Formation, Large Formation Sequential and Full Break Large Formation Sequential record attempts a pre-declaration is required. This must include a written plan detailing the proposed attempt (preferably with an image attached), including persons involved being sent to the judge responsible for record verification. Following the attempt, evidence of the record including recording media and manifests must also be sent to the relevant judge. It is recommended that plans for the attempt are discussed with a judge prior to the event to confirm compliance with the rules set out below.

For Largest Formation, Large Formation Sequential and Full Break Large Formation Sequential records, participants must meet the following criteria:

- Participants must be **eligible** to hold a British Sporting License.
- Up to 25% of participants, or a maximum of 10 participants (whichever is lower) can be exempt from the above, on the condition that they hold British Skydiving membership at the time of the record.

AL Performance Records

(1) The record performance of accuracy jumps is the number of consecutive landings on the dead centre disc, giving a score of zero centimetres, plus the next score made.

(2) In a team jump, the performance is the number of consecutive landings of the whole team on the dead centre disc, giving an aggregate score of zero centimetres, plus the next score made. The record must be made by a team of the same four individuals for the whole record.

(3) The jumps must be made within a period of 14 consecutive days.

(4) The record jump series may not be interrupted by other jumps except that, when some or all of the jumps are made during an International Sporting Event or a National Championship, the jump series may be interrupted by competition jumps made in another officially scheduled event.

CF Performance Records

Largest Formation

The record performance for the Largest Formation is the number of persons in one formation. A written plan describing the formation to be attempted and the persons involved must be submitted in advance to the Judges. The formation must be complete as described with all named persons in the formation. All persons in the completed formation must be connected by at least one grip either taken by the person or taken on the person.

A grip is (a) A hand hold on an "A" line or front riser. (b) Contact with the "A" line from behind with the front of the lower leg or ankle, defined as between the instep of the foot and below the knee. (the instep of the foot needs to be clearly identifiable on the video footage submitted, for example: by tape in a contrasting colour to that of the shoe) (both as defined in the relevant Competition Rules).

Large Formation Sequential and Full Break Large Formation Sequential

The record performance for the Large Formation Sequential record and Full Break Large Formation Sequential is the number of persons (not less than 25% (rounded up) of the size of the Largest Formation

Record (British National Record, General or Female, as appropriate) at the time the sequential record is performed) to complete a sequence of two or more formations, giving a separate record performance for each number of formations completed.

A written plan of the record performance(s) describing the formations and the transitions to be attempted and the persons involved must be submitted in advance to the Judges. The formations and the transitions must be completed as described with all named personnel in the formations. All persons in the completed formations must be connected by at least one grip either taken by the person or taken on the person. A grip is a hand hold or a foot hook on an "A" line or front riser (both as defined in the relevant Competition Rules)

(1) Large Formation Sequential

In the transition from one formation to the next, at least 35% of the persons in the first formation must either release all of their grips and all grips on them must also be released or be a member of a released subgroup, consisting of no more than four persons. Each person or group must re-dock in a different position or on a different set of grips. Each subgroup must be clearly presented and remain intact as a subgroup from the grip release until the correct completion of the next formation. Simultaneous separation during the transition is not required but total separation must be shown at some point in time during the transition as shown in the written plan.

(2) Full Break Large Formation Sequential

In the transition from one formation to the next, all grips must be released. No new grip may be taken by any person until all grips held by or on that person have been released. Simultaneous separation between persons is not required. None of the depicted grips from any previous formation may be retaken in the same position in any of the subsequent formations in the sequence for up to three formations. Each person must redock in a different position or on a different set of grips. After the group has completed three different formations, the group may elect to return to the first formation and repeat the sequence (allowing the first set of grips to be retaken) or continue the sequence of formations with a new, different formation.

CP Performance Records

(1) CP Distance

1.1 - CP Drag Distance 50m: The record performance is the greatest distance achieved in any round of the CP Drag Distance 50m Event in accordance with the current Competition Rules

1.2 - CP Max Distance: The record performance is the greatest distance achieved in any round of the CP Max Distance Event in accordance with the current Competition Rules.

(2) CP Speed

2.1 - CP Carved Speed 70m: The record performance is the lowest time achieved in any round of the CP Carved Speed 70m Event in accordance with the current Competition Rules.

2.2 - CP Drag Speed 50m: The record performance is the lowest time achieved in any round of the CP Drag Speed 50m Event in accordance with the current Competition Rules.

2.3 - CP Max Speed 50m: The record performance is the lowest time achieved in any round of the CP Max Speed 50m Event in accordance with the current Competition Rules.

FS and VFS Performance Records

FS and VFS Largest Formation

The record performance for the Largest Formation is the number of persons in one formation. A written plan describing the formation to be attempted and the persons involved must be submitted in advance to the Judges. The formation must be completed as described with all named persons in the formation. All persons in the completed formation must be connected by at least one grip either taken by the person or taken on the person. A grip is a handhold on an arm or leg (both as defined in the relevant Competition Rules) of another person.

VFS Performance Requirement

- Head-Up Orientation – the torso is vertical with the head up, towards the sky.
- Head-Down Orientation – the torso is vertical with the head down, towards the ground.

FS Full Break Large Formation Sequential

The record performance for the Full Break Large Formation Sequential is the number of persons (not less than 25% (rounded up) of the size of the Largest Formation Record (General or Female, as appropriate) at the time the sequential record is performed) to perform a sequence of two or more formations, giving a separate record performance for each number of formations completed.

A written plan of the record performance(s) describing the formations and the transitions to be attempted and the persons involved must be submitted in advance to the Judges. The formations and the transitions must be performed as described in the plan. All persons in the completed formations must be connected by at least one grip either taken by the person or taken on the person.

A grip is a handhold on an arm or leg (both as defined in the relevant Competition Rules) of another person. In the transition from one formation to the next, all grips must be released. No new grip may be taken by any person until all grips held by or on that person have been released. Simultaneous separation between persons is not required. None of the grips may be retaken in any of the subsequent two formations in the sequence. After the group has completed three different formations, the group may elect to return to the first formation (allowing the first set of grips to be retaken) and repeat the sequence or may elect to continue the sequence with three, new different formations.

VFS Records Large Formation Sequential

The record performance for the Large Formation Vertical Sequential record is the number of persons (not less than 20% (rounded up) of the size of the Largest Formation Record (World or Continental Regional, General or Female, as appropriate) at the time the sequential record is performed) to complete a sequence of two or more formations, giving a separate record performance for each number of formations completed.

A written plan of the record performance(s) describing the formations and the transitions to be attempted and the persons involved must be submitted in advance to the Judges. The formations and the transitions must be performed as described in the plan. All persons in the first formation must be connected by at least one grip either taken by the person or taken on the person. All persons in formations following the initial formation must be connected by at least one grip either taken by the person or taken on the person in groups of no less than 25% of the initial formation or 8 people (whichever is larger).

A grip is a handhold on an arm or a leg (as defined in the relevant Competition Rules) of another person. If a grip is taken on a particular arm or leg, then moving that grip to another arm or leg attached to that particular arm or leg will not be considered a new grip for the purpose of determining the number of changed grips between formations. In the transition from one formation to the next, at least 25% of the persons in the subsequent formation must build a new grip that differs from the previous formation. No repeated formations will be allowed.

Speed Performance Record

Individual Maximum vertical speed

(1) The record performance of a speed jump is the maximum vertical speed attained, measured in km/h, without a drogue during the time from exit to the altitude at which the fall is terminated as measured by the required equipment, as per paragraph (2) below.

(2) The vertical speed in freefall is to be determined using an appropriate flight recorder, calibrated barograph or other reliable and appropriate method. The record file submitted must contain:

- (a) Calibration data to substantiate the accuracy of the data submitted, including the margin of error.
- (b) Evidence that the data cannot be and has not been tampered with between the time it is recorded and the time it is handed over to an Official Observer.
- (c) Evidence that the instrument registers and provides the type and accuracy of data required to determine the record performance.

(3) A new vertical speed jump record is set only if the lower limit of the error range of the record performance is greater than the upper limit of the current record error range by at least 2%. Exit means the point in time at which the individual leaves or jettisons the device in or by which he is being carried. No means of propulsion may be used after leaving or jettisoning the device by which the individual has been carried to the exit point.

(4) The performance shall, if possible, be determined with an overall margin of error of +/- 1%. If the overall margin of error in the determination of the performance is no more than +/- 1%, the value of the record shall be equal to the figure determined rounded down to the nearest whole number together with the margin of error. If the overall margin of error in the determination of the performance is greater than +/- 1%, the value of the record shall be equal to the lower limit of the actual error range, rounded down to a whole number.

WS Performance Records

For WS records, all persons must wear a wingsuit, which complies with the definition in the Competition Rules and the use of a drogue is not allowed.

(1) Largest Formation WS

No Grip The record performance is the number of persons (not less than sixteen) in close formation without grips that is performed and evaluated in accordance with the current WS Largest Formation Performance Record Rules

(2) WS Time of Fall Record individual

The record performance is the time of fall, measured in seconds, while wearing a wingsuit, from exit altitude to the altitude at which the fall is terminated as measured by the required equipment as per paragraph (5) below.

(3) WS Distance of Flight Record individual

The record performance is the straight-line distance of flight, measured in metres, while wearing a wingsuit, from exit altitude to the altitude at which the fall is terminated as measured by the required equipment as per paragraph (5) below.

(4) A new wingsuit time of fall/distance of flight record is set only if the lower limit of the error range of the record performance is greater than the upper limit of the current record error range by at least 2%. No means of propulsion may be used after leaving or jettisoning the device by which the individual has been carried to the exit altitude.

(5) The wingsuit time of fall/distance of flight record is to be determined using an appropriate flight recorder, calibrated barograph or other reliable and appropriate method. The record file submitted must contain:

- (a) Calibration data to substantiate the accuracy of the data submitted, including the margin of error.
- (b) Evidence that the data cannot be and has not been tampered with between the time it is recorded and the time it is handed over to an Official Observer.
- (c) Evidence that the instrument registers and provides the type and accuracy of data required to determine the record performance

Categories of Performance Records

The categories of Performance Records shall be:

- General Category – best performance achieved
- Female Category – best performance achieved by a woman or women's team or group.
- AL and SP only: Junior Category – best performance achieved by a Junior
- AL and SP only: Junior female Category – best performance achieved by a Junior female.
- General Category night:
 - Largest Formation, Large Formation Sequential FS, VFS and CF only, Full Break Large Formation Sequential FS and CF only,
 - Largest Formation WS no grip only - best performance achieved at night.

For this purpose, night is defined as the time period between the end of evening civil twilight and the beginning of morning civil twilight as prescribed by the appropriate authority for the geographic location of the record performance.

Joint Record Holders

Joint Record Holders in AL

If more than one individual or distinct team complete an identical record performance on the same calendar day and thereby break an existing record, the new record shall be registered in the names of all the individuals or teams involved. Two or more teams are distinct only if they have no common members.

Joint Record Holders in SP, WS, Largest Formation, Large Formation Sequential and Full Break Large Formation Sequential

If more than one individual or distinct team achieve an identical Performance Record on the same calendar day and thereby break an existing record, the new record shall be registered in the name of all the individuals or teams involved. Two or more teams are distinct only if they have no common members.

PTO Records

Categories of PTO Records

The categories of PTO records include:

- Most descents per year
- Most descents per day
- Most tandem descents per year
- Most tandem descents per day
- Most sport descents per day
- Most sport descents per year
- Most student descents per year
- Most aircraft lifts (resulting in the dropping of parachutists) per day
- Most aircraft lifts (resulting in the dropping of parachutists) per year

Any consideration of record attempts relating to Maximum Exit Altitude at a British Skydiving PTO should be referred to STC.

For the purposes of PTO records, the term “year” refers to a British Skydiving membership year, i.e. April 1st until March 31st the following year.