

# IPC WINGSUIT LARGE FORMATION PERFORMANCE RECORDS



## SC-5, 3.3.4 Largest Formation records

### (1) Largest Formation

#### (2) Largest Formation Wingsuit No Grip

The record performance is the number of persons (not less than four) in close formation without grips that is performed and evaluated in accordance with the Wingsuit Largest Formation Performance Record Rules maintained by the IPC Wingsuit Working Group and available for download from the FAI website.

## 1 IPC Wingsuit Record – Rules & Procedures

### 1.1.1 Large formation, wingsuit no-grip.

1.1.2 Definition: A minimum of four (4) persons in close formation, without grips.

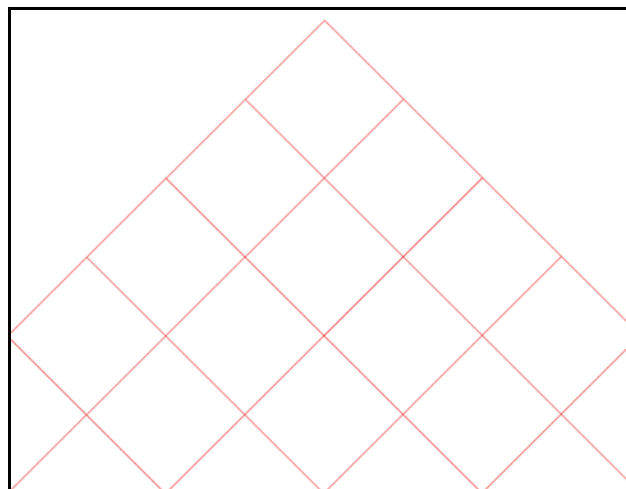
1.1.3 Definition of a Wingsuit: A garment of flexible material forming wings between a parachutist's arms, legs and torso, creating an aerodynamic planform designed to generate forward movement through the air using only the force of gravity. The parachutist's limbs and extremities must serve as the primary frame for the wings.

1.1.4 Formations are judged using a standard scalable grid downloadable from the FAI Website.

1.1.5 Dimensions, orientation and scaling of the grid(s) over the formation:

- (a) Each individual grid space is a square defined by four (4) interior 90° angles.
- (b) The grid is oriented so that one corner (vertex) of each square is pointed into the direction of flight (see Figure 1).
- (c) The grid is scalable while maintaining a constant aspect ratio.
- (d) Using suitable software, the grid (in a graphic file) will be overlaid and scaled over a digital photograph of the formation to evaluate the record performance.

Figure 1: Standard Scalable Grid:



1.1.6 The record performance for the largest formation wingsuit no-grip record is the number of persons in close formation, without grips.

(a) For formations of 40 and smaller, all persons (their body, equipment and wingsuit) must be within their designated flying space as shown in the grid. No part of their body, equipment or wingsuit may be visible outside the lines of their designated space, however, touching a line is allowed.

(b) For formations of between 4 (the minimum) and 9 persons, in addition to the requirements in section (a) above, the formation must demonstrate a regular, discernable pattern in accordance with the submitted plan.

(c) For formations larger than 40, a certain number of persons, as indicated below, are permitted to have part of their body, equipment or wingsuit visible across the line of their flying space.

Number of persons in the formation	Number / percentage permitted to deviate from slot
41-65	10 % (rounded up to the nearest whole number)
66-68	8
69-71	9
72-74	10
75-77	11
78-80	12
81-83	14
84-86	16
87-89	18
90-92	20
93-95	22
96-98	24
99 and over	25 % (rounded up to the nearest whole number)

Figure 2: Example of a 25-way Meeting the Record Standard:

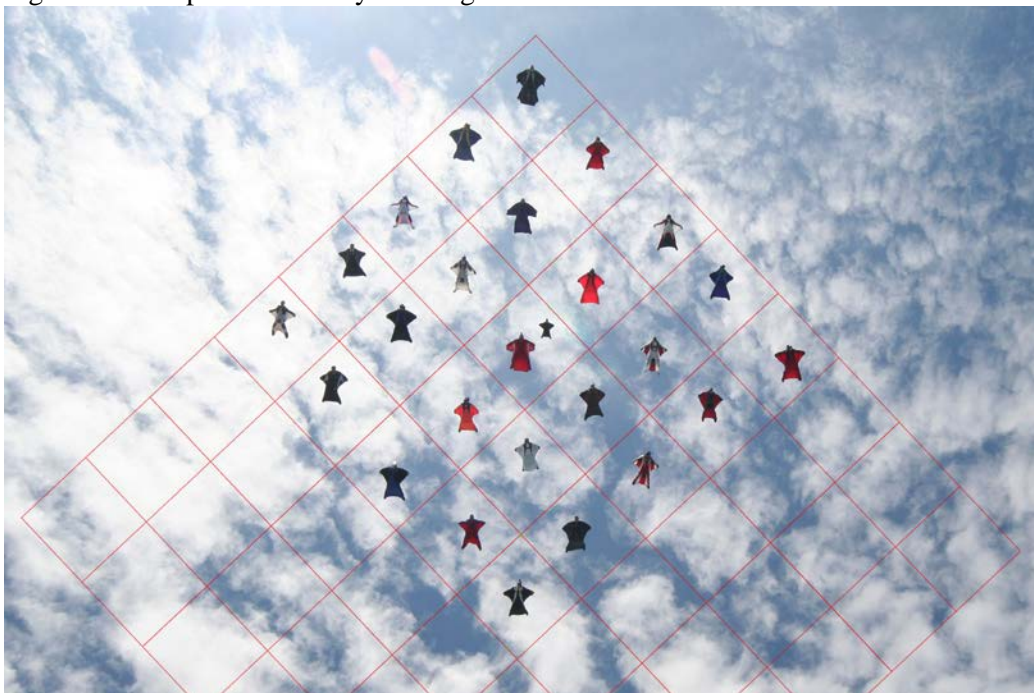


Photo courtesy Mark Harris

## 2.1 Record Judging Procedures

2.1.1 A performance record must be judged and certified by three (3) judges, two of whom must be FAI Parachuting Judges for Wingsuit. The third judge must have at least a valid National Judge rating in Wingsuit. Wingsuit no-grip records must be judged and certified by WS Judges, all having a valid rating.

2.1.2 The Wingsuit Working Group will create an online Judge training course that explains the record rules, demonstrates the application of suitable imaging software to apply the grid to wingsuit no-grip formations, and presents a representative sample of Wingsuit no-grip record formation photographs. The Wingsuit Judge's course will be available by 1 May 2014.

2.1.3 A list of qualified Wingsuit judges will be updated on the FAI/IPC website (<http://www.fai.org/ipc-about-us/ipc-officials-experts>).

2.1.4 Currently rated National or FAI judges in AE, CF or FS may complete the Judge's course and must pass the exam with at least 80 % to qualify for judging wingsuit no-grip formation records.

2.1.5 At least one (1) Wingsuit rated National or FAI Judge must be physically present to observe the jump and collect required evidence for the record claim.

## 2.2 Record Submission Procedures

2.2.1 Before each record attempt, the on-site Judge controlling the attempt must receive:

- (a) A diagram showing the intended formation
- (b) A list of participants, who must all have valid FAI sporting licenses. The formation must be completed as planned, but need not be slot-name specific.

2.2.2 After the attempt, the on-site Judge controlling the attempt must receive:

- (a) One (1) photograph of the completed formation with all wingsuit flyers clearly visible (minimum 10 megapixel image or equivalent).
- (b) One (1) continuous video of the jump - without break or interruption - that shows continuity of the performance to the satisfaction of the judges.