



## CIVL 2014 PLENARY – ANNEX 25 RECORDS & BADGES PROPOSALS FOR S7D

### Minimums for Accuracy records:

Number of consecutive valid rounds in FAI sanctioned competitions with a score of 0: **3**

Number of consecutive valid rounds in FAI sanctioned competitions with a score of  $\leq 5$ cm together with the sum of those scores measured in cm: **5**

[Comment: Suggested minimums for achieving new Accuracy records. Same for world and continental records.](#)

### Minimums for Aerobatics records:

Infinity foot launch (**General, Female and Multiplace**) : 200/75/20

Infinity airborne (**General, Female and Multiplace**) : 568/100/30

Infinity winch (**General, Female and Multiplace**) : 30/15/15

Esfera foot launch (**General, Female and Multiplace**) : 5/5/5

Esfera airborne (**General, Female and Multiplace**) : 8/8/8

Esfera winch (**General, Female and Multiplace**) : 5/5/5

Twister foot launch (**General, Female and Multiplace**) : 30/20/15

Twister airborne (**General, Female and Multiplace**) : 40/30/25

Twister winch (**General, Female and Multiplace**) : 15/15/15

Heli to SAT foot launch (**General, Female and Multiplace**) : 20/15/10

Heli to SAT airborne (**General, Female and Multiplace**) : 30/25/20

Heli to SAT winch (**General, Female and Multiplace**) : 15/15/15

Misty flips launch (**General, Female and Multiplace**) : 50/30/15

Misty flips airborne (**General, Female and Multiplace**) : 75/50/20

Misty flips winch (**General, Female and Multiplace**) : 25/25/25

[Comment: Suggested minimums for achieving new Aerobatics records. Same for world and continental records.](#)

## World, Continental and National Records

### 3.2 Permitted Records

#### 3.2.1 Types of Record for **PG** and **HG**

The following types of flight performance may be recognised as hang gliding and paragliding records:

- Straight distance
- Straight distance to a declared goal
- Declared out-and-return distance
- Free out-and-return distance
- Distance around a declared triangular course
- Free distance around a triangular course
- Free distance using up to 3 turn points
- Speed around triangular courses of 25, 50, 100, 150, and all multiples of 100 km
- Speed over out-and-return courses of 100 and all multiples of 100 km
- Gain of height

### 3.2.2 Types of Record PGA

- Accuracy landing (PG only): Number of consecutive valid rounds in FAI sanctioned competitions with a score of 0
- Accuracy landing (PG only): Number of consecutive valid rounds in FAI sanctioned competitions with a score of  $\leq 10$  cm with a sum in those rounds measured in cm.

### 3.2.3 Types of Record PG Aerobatics

- Number of Infinity tumbling revolutions,
- Number of Esfera revolutions,
- Number of Misty flip revolutions,
- Number of Twister revolutions,
- Number of Heli to SAT revolutions.

#### 3.2.3.1. Launch type distinction for PG Aerobatics

- *Foot launch*
- *Airborne launch (from helicopter, balloon, D-bag, Roll over, etc)*
- *Winch*

Comment: 3.2.1 and 3.2.2 are the same, but separated. 3.2.3 are new PG aerobatics type records to be approved by CIVL plenary.

### 3.2.4 Minimum Increase in Flight Performance

#### 3.2.4.1 Distance flight

To be recognised as a new record all distance flights must exceed the previous record by a minimum of one kilometre, speed flights must better the previous record flight performance by 1% the gain of height record must show an improvement of 3% or a minimum of 100m.

#### 3.2.4.2 Accuracy flights

To be recognised as a new record all accuracy flights must exceed the previous record by a minimum of one round, or a minimum of one (1) cm.

#### 3.2.4.4 Aerobatics flights

To be recognised as a new record all aerobatics flights must exceed the previous record by a minimum of one revolution

Comment: Just min. requirements for new aerobatics records

### 3.3.2. Exceptions

Except as stated in 3.3.2.1, 3.3.2.2. and 3.3.2.3, a GPS or flight data recorders that comply with the IGC (sporting code section 3) standards, and optionally a barograph, shall be used on all record attempts. It must show that no intermediate landing was made and generally substantiate the flight.

### 3.3.2.2. FAI sanctioned Accuracy competitions

In FAI sanctioned Accuracy competitions, the Chief or Event Judge validates the flights that contribute to record and badge attempts. The scores contribute to the final results, submitted by the organisers to CIVL. For record attempts, consecutive flight scores may be recorded across multiple competitions. The official results of all FAI sanctioned Accuracy competitions, reported as part of the WPRS, can be used to prove a pilot's flight scores are consecutive across competitions, and that he has not competed in additional sanctioned competitions in the interim.

*At least one judge from the list of judges must be judging at the competition.*

### 3.3.2.3. Aerobatics records

For aerobatics record, there is no need to use a GPS device, but must follow rules as stated in the 5.2.7.

*Comment: No need to use a GPS device, but a camera and a barograph must be present as it is stated in the paragraph 5.2.7.*

*To make sure all Accuracy competitions are valid, at least one of the judges from the list of judges must be judging at the competition.*

## 3.4.2 Altitude differential in record and badge flights

### 3.4.2.3 Aerobatics

No limitation in altitude/height at which the manoeuvre can be started. For safety reasons, the minimum height at which the manoeuvre must be completed is:

- Misty flips, Twister and Heli to SAT: 200 m AGL
- Infinity tumbling and Esfera: 400 m AGL

*Comment: To provide fair and safe environment in which records are been done, there is a need for a limit at which a manoeuvres are finished.*

### 5.2.6. Measurement of accuracy

For all records and for badge flights, accuracy scores shall be measured by a measuring device according to as specified in S7C (5.5.3 Measuring Device), during valid rounds flown in an FAI sanctioned competition (cat1. or Cat 2) and accepted by the judge(s) included in the official results submitted for that competition.

For records flights, only flights achieved on a measuring device with a 2cm DC will count towards records. Flights done on a 3cm or more cm DC measuring device will not be counted and will brake consecutiveness if pilot competes in such a competition.

*Comment: There is a tendency for 2cm pads, and as such they must be allowed for records or badge flights. But to make sure records will stay same for as long as possible, only 2 cm DC device can be used for record flights.*

### 5.2.7. Measurement of aerobatics

Altitude shall be measured by barograph, proving that the manoeuvre was stopped at or above the minimum prescribed altitude. See 3.4.2.3. for minimum altitudes.

Video footage from at least 2 (two) different points of view, one of which must point to the pilot and showing its action during the entire execution of the flight. The cameras must be used in a way the manoeuvres and revolutions can be clearly visible and countable from either of the camera. Video footage must not be edited, cut or in any other way manipulated and must show record flight from the start of the flight.

*Comment: Proof of record must be made with at least two cameras, so that revolutions can be counted. Also a barograph instrument must be present to proof that manoeuvres were stopped at or*

above the minimum prescribed altitude. Video footage must be in one piece so that it can clearly show his/her attempt from start to finish.

### 5.3. Altitude Distance Relationship

For allowable height loss during record and badge flights see item 3.4.2

Comment: Corrected paragraph from 3.6.2. to 3.4.2.

## 7. TASK DECLARATION FORM

### AEROBATICS TASK DECLARATION FORM

Photocopy this form onto A3 or 11" x 17" paper.

**Task:**

Class (O-3); Category (G, F, M); Description (e.g. Infinity tumbling)

**Date & Time:**

Time of declaration must be before the flight start (for records only)

**Pilot:**

Name & signature

**Glider:**

Class, make, model and serial number

**Departure Pt. and type of start:**

Description & Coordinates: (e.g. London, D-bag helicopter)

**Official Observer:**

Name, date & signature (O.O. is required for record flights)

Comment: As for all records Task declaration form must be pre field before the start of the record attempt.



**Fédération Aéronautique Internationale**  
**Application Form for PG Aerobatics Record Claims**

**Please print clearly!**

Name, Nationality \_\_\_\_\_ Sex \_\_\_\_\_

Pilot's Address \_\_\_\_\_

National Aero Club \_\_\_\_\_

NAC member N° \_\_\_\_\_ FAI Sporting Lic. N° \_\_\_\_\_

CIVL ID: \_\_\_\_\_ Class 3 Category: \_\_\_\_\_ (G, F, or M)

Unknown

Mis en forme: Police :10 pt

### READ THIS NOW!

**General:** The current FAI Sporting Code (General Section and Section 7) defines all requirements for badges & records in hang gliders Class 1,2,3,4, & 5 and should be read in conjunction with current publications from your national aero club (NAC).

**Evidence:** While it is desirable that all evidence be completed on this form, separate pieces of paper are acceptable if they contain all relevant information and are certified by the Official Observer (O.O.).

### NOTES & INSTRUCTIONS

### READ THIS NOW!

#### OFFICIAL OBSERVER CERTIFICATE (For additional observers, use a separate sheet of paper).

Name of chief controlling official observer (please print) \_\_\_\_\_

O.O. N° \_\_\_\_\_ O.O. Address \_\_\_\_\_

I certify I am satisfied with the veracity and completeness of the pilot's documentation, and request that the NAC and/or FAI process the record or badge claim. O.O. Signature \_\_\_\_\_

#### FLIGHT DETAILS (Required for all flights).

Type of claim (Infinity tumbling revolutions, Helicopter revolutions, Misty flips) \_\_\_\_\_

Date of flight \_\_\_\_\_ Place of take-off \_\_\_\_\_

Type of take-off (foot, winch tow, airborne, other) \_\_\_\_\_

Glider type & serial N° \_\_\_\_\_

**PASSENGER CERTIFICATE** (Only required for multiplace records).

I certify that the passenger is at least 14 years old. Pilot signature \_\_\_\_\_

Passenger Name, Age, Sex \_\_\_\_\_

Passenger Address \_\_\_\_\_

Passenger Signature \_\_\_\_\_

**AEROTOW/WINCH RELEASE/ENGINE-OFF CERTIFICATE** (Required if foot-launch takeoff not used.)

I certify the glider was released at: (exact position) \_\_\_\_\_

at \_\_\_\_\_ hours at \_\_\_\_\_ metres AMSL / AGL. O.O. signature \_\_\_\_\_

Tow pilot/driver name (print) \_\_\_\_\_ Tow vehicle registration \_\_\_\_\_

Tow pilot/driver signature \_\_\_\_\_

**BAROGRAPH CERTIFICATE**

I certify that I inspected the barograph and observed it function before flight. O.O. Signature \_\_\_\_\_

Barograph Model, Serial N° \_\_\_\_\_ Flight Recording N° (if applicable) \_\_\_\_\_

I certify I inspected the barograph after flight; it appeared un-tampered with. . O.O. Signature \_\_\_\_\_

**VIDEO CERTIFICATE**

I certify that I inspected the video from all cameras used and observed it function before flight. O.O. Signature \_\_\_\_\_

Video camera (Make & Model) \_\_\_\_\_ Serial N° \_\_\_\_\_

I certify I inspected the video after flight; it appeared un-tampered with. . O.O. Signature \_\_\_\_\_

I certify that I was present when the video of the flight was downloaded and was not edited in any way and it fully supported the claimed flight. \_\_\_\_\_ O.O. Signature \_\_\_\_\_

**PILOT'S STATEMENT** (Required for all record claims).

I certify that this is a true statement regarding a flight made by me, and I request that the NAC process the claim. Attached is all required supporting evidence. I understand that an incomplete or incorrect application will be returned to the presiding O.O. I certify that the flight was made in accordance with the national air regulations and with the FAI Sporting Code (General Section and Section 7).

Date \_\_\_\_\_ Pilot's signature \_\_\_\_\_