



*Fédération  
Aéronautique  
Internationale*



## **8.2 Proposals for glider – Section 6 Part 2**

### **Rule Proposals for 2024**



## 8.2 Proposals for glider – Section 6 Part 2

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### INTRODUCTION

The following proposals have been accepted by the GAC and are put forward to be voted by the plenary.

NP2024-1	CZE	1	Unknown	Accepted
NP2024-2	CZE	2	Renaming Programmes 1 and 3	Accepted
NP2024-5	CZE	5	Advanced/Unlimited championship concept	To be voted together with Power
NP2024-7	CZE	7	Aircraft Restriction in Advanced	Accepted
NP2024-8	CZE	8	Figures in Unlimited Unknown	Rejected +modified
NP2024-12	FRA	3	Box Dimensions	Accepted +rewrite
NP2024-14	FRA	5	Square loop criteria	Accepted
NP2024-18	ITA	3	Free known versality in Adv	Accepted+rewrite
NP2024-22	SWE	2	Free Unknown sequence procedure	To be voted together with Power

There are 4 corrections reported at the end of this document.

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NP2024-1

GAC



### CZECH REPUBLIC PROPOSAL #1

Document: Section 6 Part 2

Subject: **Figures in Unlimited Unknowns**

#### **Proposal**

Extension of the List of figures for Programmes 2 through 6:

1) Add to the List A.13 Family 8.5, Half Cubans the catalogue numbers:

8.5.9.1

8.5.10.1 (“UG” only)

8.5.11.2 (“UG” only)

8.5.12.2 (“UG” only)

8.5.17.1

2) Add to the List A.17/A.19/A.20 Family 9, Rolls the catalogue numbers:

9.1.3.1

9.1.3.3

9.4.3.3

9.8.3.1

#### **Rationale**

The new figures provide fresh options for versatility in Unknown sequences.

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NP2024-2

GAC



### CZECH REPUBLIC PROPOSAL #2

Document: Section 6 Part 2

Subject: **Renaming of Programmes 1 and 3**

#### **Proposal**

Changes in names of the Programmes 1 and 3 (in whole Section 6 Part 2):

- 1) Rename “Free Known Programme” to “Known Programme”
- 2) Rename “Free Unknown Programme” to “Free Programme”

#### **Rationale**

Today's naming of Programmes is outdated and not easily understood by viewers and journalists.

**GAC Chairman Note:** Should the names be same for both glider and Power?

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NP2024-7

GAC



### CZECH REPUBLIC PROPOSAL #7

Document: Section 6 Part 2

Subject: **Aircraft restrictions in Adv**

#### **Proposal**

##### **1.2.3. Aircraft Restrictions**

1.2.3.1 World Glider Aerobatic Championships are open to glider aircraft only.

1.2.3.2 World Advanced Glider Aerobatic Championships are not open to glider Swift S-1.

#### **Rationale**

The use of the Swift S-1 provides a distinct advantage for competitors in the Advanced category that may discourage competitors with other gliders from entering the competition. With the current limited number of Swift gliders, it also increases the unavailability of this type of glider for the Unlimited category.

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NP2024-8

GAC



### CZECH REPUBLIC PROPOSAL #8

Document: Section 6 Part 2

Subject: **Figures in Unlimited Unknowns**

#### **Proposal**

Remove from the List of figures for Programmes 2 through 6:

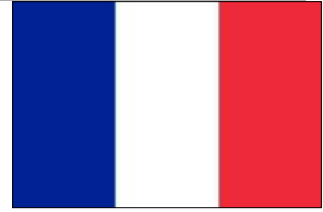
- 9.9.2.2 **Remain (half snap on a 45 degree upline)**
- 9.9.8.2 Remove (half positive snap from horizontal inverted line)
- 9.10.2.2 **Remain (half negative snap on a 45 degree upline)**
- 9.10.8.2 Remove (half negative snap from a positive horizontal line)

#### **Rationale**

Our gliders are getting older and older and at these figures, if flown properly, they are close to their technical limitations and less experienced pilots are at risk of unintentionally exceeding them.

At the same time, similarly challenging figures (that require a lot of training flights) may discourage some pilots from participating in the Unlimited category.

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NP2024-12

RC

GAC

### FRANCE PROPOSAL #3

Document: Section 6 Part 1 / Part 2 \*

Subject: **Box dimensions**

#### **Proposal**

Allow a 10% flexibility in the performance zone horizontal dimensions (in 3.3.1.1), i.e. each dimension between 900m and 1100m, provided the performance zone keeps perpendicular angles.

#### **Ammended**

**The box dimensions may not be altered in the initial bid. The International Jury may alter the box dimensions if circumstances so require.**

#### **Rationale**

Helps implementation of the performance zone within acceptable limits, when terrain configuration would make it difficult to implement the standard 1000mx1000m box. This measure is aimed at facilitating contest set-up.

**\* RC Chairman Note:** Potentially applicable to Part 2 as well.



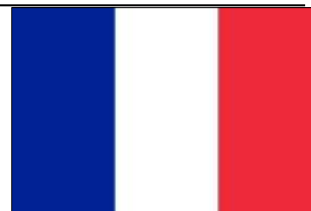
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NP2024-14

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RC

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### FRANCE PROPOSAL #5

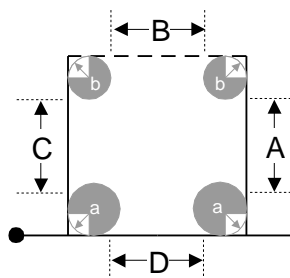
Document: Section 6 Part 1 / Part 2 \*

Subject: **Square loop criteria**

### Proposal

In B.9.11. allow in square loops to have top radii different than bottom radii (while still requiring the two top radii to be equal and the two bottom radii to be equal).

Modify Figure 32 accordingly as follows:



### Rationale

The two bottom quarter-loops are flown at similar speed, and the two top quarter-loops are flown at similar speed, but a considerably different one than on the other quarter-loops pair. Considering judging criteria on double humpty bumps – justifying that radii of the two half loops cannot be expected to be equal due to the considerable difference in speed – it is proposed for consistency to apply the same logic for square loops. This will also allow to not incentivise very high G-load on high-speed looping segments.

\* **RC Chairman Note:** Potentially applicable to Part 2 as well.

**GAC Chairman Note:** Should the criteria be same for both glider and Power?

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NP2024-18

GAC



### ITALY PROPOSAL #3

Document: Section 6 Part 2

Subject: **Free Known versatility in Adv**

### **Proposal**

Modify 2.2.1.7.a) as follows:

A 90° inside (or outside) rolling turn (Cat.No. from 2.1.3.1 to 2.1.3.4) may be added.

### **Rationale**

The change is proposed because the jump in difficulty between Advanced and Unlimited category appears exaggerated, making the relative change of category extremely difficult.

Furthermore, the low K of the programmes, in relation to their low energy cost, detracts from the interest in speed and acceleration containment.

**GAC Chairman Note** GAC decided that the inside roll is safer at low altitude. The outside rolling turn was rejected.

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### GAC Correction Proposal #1

Amend the Hard Zero § to include the flick roll. Same text as in 2023 Part 1.

#### 4.5.2 Hard Zero

A.1.1.1. 4.5.2.1 A mark of “Hard Zero” (HZ) must be awarded if the judge considers that the figure is incorrectly flown in respect of a geometrical error, as listed below, that is clearly verifiable as a matter of fact. A mark of HZ will be awarded if:

- a) Any figure is flown which does not conform to the drawing held by the judges for marking purposes (Forms B/C or L/R).

Note: When a figure is inserted to a sequence, Rule **Fel! Hittar inte referenskölla.4.4.3.1** applies;

- b) When rolls are superimposed on a turn (rule **Fel! Hittar inte referenskölla.4.5.1.8**), the roll is finished but 90° or more of the turn still remains to be flown.
- b) c) Any deviation from the prescribed direction reaches 90 degrees.
- d) Any other single deviation in geometry/flight path/attitude/rotation reaches 90 degrees.  
*After a directional deviation of 90 degrees or more on the Y-axis, although it is non-directional, the original direction must be re-established before the next figure is flown.*
- e) The pre-stated figure or any part of it is omitted.
- f) Any part of the figure was not visible as it was flown in or behind cloud. If the figure was visible to a majority of judges, then the Chief Judge should instruct unsighted judges to revise their mark from "HZ" to "A".
- g) **A flick roll never started proper autorotation.**
- h) **A spin never started proper autorotation.**
- i) **A rolling turn included a flick roll.**

### GAC Correction Proposal #2

Remove the remark regarding perception.

4.1.1.9.1 When all Forms “A” or “L/R” have been submitted to the Chief Judge for a flight and difficulties occur in interpreting the correct application of the “HZ” mark or insertion penalty:

- a) The Chief Judge shall call for a discussion at the judging line with the International Judges.
- c) b) Such discussions shall not interfere with the subsequent flights.
- d) c) The official video may be used in these discussions to help determine matters of fact., **but not of perception. (Remove the red text)**
- d) A Judge may request a viewing of the video during a discussion, if he deems it necessary. This request will always be honoured.
- e) All Forms “A” or “L/R” shall be retained by the Chief Judge until the final decision is made.

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e)

### GAC Correction Proposal #3

#### APPENDIX C: RULES FOR THE USE OF ELECTRONIC HEIGHT MEASURING DEVICES (HMDs)

Correct the disqualification height in this appendix from 100 m to **150 m**.

### GAC Correction Proposal #4

Correct the reference 4.5.1 to 4.2.1

**This is also valid for Part 1**

#### Current wording

A.1.1.2. 1.2.6.2 Non-NAC Entries

- 1) Organisers are also obliged to accept entries from FAI Applicants as described in paragraph **4.5.1 of FAI Sporting Code, General Section.**

#### New wording

A.1.1.3. 1.2.6.2 Non-NAC Entries

- 2) Organisers are also obliged to accept entries from FAI Applicants as described in paragraph **4.2.1 of FAI Sporting Code, General Section.**

### Sporting Code General Section

#### 4.2 PARTICIPANTS

##### 4.2.1 Competitors

Persons entered and competing in international sporting events and in record attempts. Such persons may

- Be NAC competitors and represent the NAC and the country they belong to
- Be FAI competitors and represent the FAI. Competitors must have a valid FAI Sporting Licence.

The Specialised Sections of the Sporting Code may define who is a competitor and who is not.