



## CIVA Glider Aerobatics Committee Report Agenda Item 13.2

Due to the restrictions imposed by the corona virus pandemic, the Glider Aerobatics Committee met online on 11 October 2020.

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In attendance:

Madelyne Delcroix (FRA), Pekka Havbrandt (SWE), Philippe K uchler (SUI)

Ferenc T oth (HUN), Manfred Echter (GER) Chairman,

Absent: Jerzy Makula (POL)

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After the deadline of 15 July 2020 for the submission of rules proposals, the proposals package was assembled by Rules Committee chairman Matthieu Roulet and distributed on 25 July to the CIVA Bureau, RC / JC / GAC / CC members and to CIVA Delegates.

In this report, we have summarized the actions taken by the GAC on the glider proposals applicable to Sporting Code Section 6 Part 2.

Passing the committee review is the result of a majority decision by the attending committee members that those proposals shall be considered by the CIVA Plenary.

Please note that passing this review does not necessarily imply that the GAC recommends those proposals to be adopted.

Manfred Echter

Chairman, Glider Aerobatics Committee

## **NP 2021-4**

Source:FRA #1

Document: Section 6, Part 2,

Subject: Selection of Unknown figures for Programmes 2-6

### **Proposal:**

Amend para 2.3.1.1 to read:

- a) For Programme 3, the 7 figures will be chosen from appendix A. Priority to choose the figures will be given to teams with 3 or more pilots, then if necessary to teams with 2 pilots the with 1 pilot.
- b) For Programmes 2, 4, 5 and 6 a total of 28 figures will be chosen from Appendix A.  
A representative of each NAC which has a pilot (or pilots) competing (except as Hors Concours) may submit at least ONE figure, NAC representatives will be determined by secret drawing of lots for the order in which they select the figure in each round. Then, lots will be drawn a second, third, fourth and fifth time if necessary, in order to determine which teams will choose a second, third, fourth and eventually fifth figure, until a total of 28 is reached. If the drawing of lots is necessary to choose the NAC, then the priority rules will be applied.

### **Decision:**

The proposal was withdrawn following GAC decision to accept NP2021-26.

## **NP 2021-5**

Source:FRA #2

Document: Section 6, Part 2,

Subject: Drawing of Lots

### **Proposal:**

Amend para 3.3.1.1 to read:

The sequence of flights for all Programmes will be determined by drawings of lots to be arranged by the Contest Director or his assistant in the presence of a representative of the International Jury. The drawing of lots can be done electronically or each competitor (or their representative) will draw their own lot if required by the majority of NACs.

### **Decision:**

The proposal is rejected.

**Rationale:**

The minimal time-saving resulting from electronic drawing does not justify dropping the widely accepted procedure of drawing lots personally.

**NP 2021-11**

Source: HUN #1

Document: Section 6, Part 1 and Part 2

Subject: Team medal eligibility

**Proposal:**

Add wording to para 1.2.6.1:

- a) National Airsports Controls shall notify the organisers of a World Championship, not less than two months before it is due to start, of the number of competing pilots to be entered from their national aero club up to a maximum of eight (8).  
Of these pilots, a maximum of three (3) can be eligible to a team medal. The name of these three (3) pilots will have to be given by every NAC composed of four (4) pilots or more before the official start of the competition. All NACs composed of three (3) pilots (or less, when applicable) will have all pilots eligible for team medal without the need of any notification.

**Decision:**

The proposal is rejected.

**Rationale:**

The proposal is counter-productive. The main reason for NACs to send larger teams is the increased chance to win a team medal. Restricting the choice of pilots competing for team medals may eventually lead to NACs restricting team sizes to their most highly qualified pilots.

## **NP 2021-12**

Source: RUS #1

Document: Section 6, Part 2

Subject: Entry fees with options

### **Proposal:**

Add wording to para 1.4.2.2:

Entry fees will be fixed by CIVA on agreement with the organisers. **Entry fee may include accommodation and towing.**

### **Decision:**

The proposal is rejected.

### **Rationale:**

Paragraphs 1.4.3.1 and 1.4.3.2 state that organisers may choose to ask entry fees including the cost of food and accommodation or to exclude it.

Including the cost of towing may pose a problem in that it cannot be predicted whether all the tows included in the fee can be used e.g. due to weather. It would be unnecessarily complicated to refund the cost of tows not used.

If NACs prefer to pay only one composite fee, it should not be too difficult to arrange this directly with the organisers.

## **NP 2021-13**

Source: RUS #2

Document: Section 6, Part 2

Subject: Increasing the number of Free Unknowns

### **Proposal:**

Amend para 2.1.1.1:

The Championship consists of the following six programmes:

- a) Free Known Programme (Programme 1)
- b) Unknown Compulsory 1 (Programme 2)
- c) Free Unknown Programme 1 (Programme 3)
- d) Free Unknown Programme 2 (Programme 4)
- e) Unknown Compulsory 2 (Programme 5)
- f) Free Unknown Programme 3 (Programme 6)

### **Decision:**

The GAC submits the proposal for vote by the CIVA Plenary.

Managing the time constraints for publication and selection of sequences in Free Unknowns may become a problem with six programmes overall.

## **NP 2021-14**

Source: RUS #3

Document: Section 6, Part 2

Subject: Cable release conditions

### **Proposal:**

Amend para 3.9.1.2:

Cable release

- b) The competitors determine their point where they release. The tow plane will tow in the direction of the principal axis at 1250 m (over datum) with constant airspeed 140 km/h through the performance zone...

### **Decision:**

The proposal is rejected.

## **Rationale:**

The intention of the proposal to improve equality of chances is welcomed.

In practise however, implementation of the proposal would be difficult.

There is currently no way to record and verify the indicated airspeed at time of release. Loggers work with GPS and record ground speed rather than IAS. A solution might be to require video recording of airspeed and altimeter in the towplane.

The reason for release at 1250 m rather than the upper height limit of the box at 1200 m is functioning of HMDs. If HMDs are not used, there is no valid reason to release above 1200 m.

The real solution to the problem of correct release conditions would be to make HMDs mandatory for World Championships. It is not the remit of the GAC however, to propose this here as a rule change.

### **NP 2021-17**

Source: ZAF #1

Document: Section 6, Parts 1 and 2

Subject: Accommodation of judges for judges briefing

## **Decision:**

The GAC recommends to include the text decided by the RC for SC 6 Part 1 also in Part 2.

### **NP 2021-26**

Source: GAC #1

Document: Section 6, Part 2

Subject: New concept for Unknown Programmes

## **Proposal**

Introduce the following new rules for Glider Unknowns.

### **2.3. Unknown Compulsory and Free Unknown Programmes (Programmes 2 through 6)**

- 2.3.1.1 For Programmes 2 through 6, figures will be chosen separately for each Programme from Appendix A. A total of 7 figures must be selected. A representative of every NAC which has a pilot (or pilots) competing (except as *Hors Concours*) may submit one figure, unless there are more than 7 NACs participating.

- 2.3.1.2 If there are pilots competing from more than 7 NACs, 7 such NACs will be selected to nominate figures for each Unknown Programme.
- b) The first priority to be selected for this group will be those NACs that have at least 3 pilots.
  - c) The second priority to be selected for this group will be those NACs that have 2 pilots.
  - d) The International Jury, guided by this system of priorities, shall draw lots as necessary to determine which NACs shall choose figures and in which order.
- 2.3.1.3 If there are pilots from fewer than 7 NACs participating, their representatives will still select only one figure each. The remaining figures will be selected by the International Jury. These figures must be of the average difficulty of the figures submitted by the NACs and cover Families not represented by them.
- 2.3.1.4 The 7 selected figures must comprise:

<b>Family</b>	<b>Advanced</b>	<b>Unlimited</b>
2		at least one rolling turn
5 or 6	at least one	at least one
9.9 or 9.10		at least one full or two half flicks

The minimum acceptable K for each figure is 17 ("AG" 10)

No figure may be selected with a K higher than 43 ("AG" 37)

The sum K-Factor of the 7 figures must not be less than 180 and more than 200 ("AG" 150-170).

Repetition of any manoeuvre with the same catalogue number is not allowed within any one Programme except Families 1.1.1 and 9. Repetition of complete figures from previous Programmes is not allowed in subsequent Programmes (except Families 5 and 6 "AG" only).

- 2.3.1.5 Figures shall be selected taking into account the flight characteristics and operating limits of competing gliders and the safety of all pilots. If the representative of a team or an individual competitor is able to show within 30 minutes from the completion of figure selection that a selected figure may exceed the operating limits of competing gliders, the International Jury will ask the team which proposed this figure either to replace or modify it. After this time (30 min.) the figure selection is considered final.
- 2.3.1.6 If in the course of figure selection it becomes obvious that with the figures proposed it will not be possible to fulfill either the minimum or maximum total K-factor, the jury will advise NACs to replace either the lowest or highest K figures.  
If it is obvious that with the proposed figures no reasonable sequence can be composed, the jury will encourage NACs to modify their figures accordingly.
- 2.3.1.7 Teams will submit sequences using the 7 figures officially selected. One or two linking figures from the current Aresti System (Condensed) Glider Version must be added. The K-Factor of the linking figures is 5 K each for two figures or 10 K for one figure. In sequence composition, figures may be used starting from one or the other axis. Nevertheless, figures with their entry and exit on the same axis must maintain their construction as submitted, i.e.

with the exit flight path in the entry direction or with the direction of flight reversed as originally drawn.

- 2.3.1.8 The Contest Director will announce the deadline for submitting sequences. Proposals must contain complete pages of all five forms A, B and C as well as L and R. Computer files must be submitted, using a CIVA-approved software.

### **2.3.2. Unknown Compulsories (Programmes 2, 4, 5 and 6)**

#### **2.3.2.1 Selection and Publication of Unknown Compulsory Sequences:**

- a) The International Jury will select one of the submitted sequences for use.
- b) The International Jury may alter the selected sequence if necessary for safety reasons.
- c) Chief Delegates or their representatives may object to the published sequence within one hour after publication for safety reasons only. In this case, the International Jury will modify the sequence in order to remove the objection without changing the figures selected under rule 2.3.1.4
- d) If it is found that the sequence selected cannot be safely flown within the height available, the International Jury may delete one figure, consulting the Chief Delegate of the NAC which proposed this figure.
- e) Sequences, after having been approved by the Chief Delegates or their representatives, will be announced to competitors by the International Jury not later than 12 hours before the scheduled start of each programme.

### **2.3.3. Free Unknown (Programme 3)**

#### **2.3.3.1 Publication and Selection of Free Unknown Sequences:**

- a) All proposed sequences received by the deadline must be checked, and corrected if necessary by the International Jury. Sequences will be identified by letters.
- b) The International Jury shall publish all sequences received from the NACs not later than 24 hours before the start of Programme 3.
- c) At least 12 hours before the scheduled start of Programme 3, each competitor will notify the Organisers which of the proposed sequences they will fly.
- d) Prior to the flight order and paperwork being issued to the judging line, Team Managers or individual competitors as appropriate shall verify the correctness of the allocation of selected sequence per pilot; this verification shall be recorded by the Organisers.
- e) At least 1 hour before the start of Programme 3, the Organisers shall provide each NAC with a list of the Free Unknowns chosen by each competing pilot.

- 2.3.3.2 Prior to the commencement of each competition flight, the Chief Judge verifies by radio with the competitor the sequence to be flown. Example: "Competitor 5 radio check and confirm sequence B".

### **Decision:**

The GAC submits the proposal for vote by the CIVA Plenary.