



CIVA Glider Aerobatics Committee Report Agenda Items 9.3 and 13.2

The Glider Aerobatics Committee met online on 17 October 2021.

In attendance:

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

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

Absent: Jerzy Makula (POL)

After the deadline of 01 July 2021 for the submission of rules proposals, the proposals package was assembled by Rules Committee chairman Matthieu Roulet and distributed on 01 August 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 as well as proposals aimed at SC 6, Part 1 which might have an impact on glider aerobatics as well.

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.

A handwritten signature in black ink, appearing to read 'M. Echter', written in a cursive style.

Manfred Echter
Chairman, Glider Aerobatics Committee

NP 2022-6

Source:GER #1
Document: Section 6, Part 2,
Subject: Video/Audio devices

Proposal:

Revise rule 3.6.1.3 to read:

"Receiving any kind of audible information addressed to the competitor from anyone other than the Chief Judge or Air Traffic Control will render the competitor liable to disqualification from the contest."

Decision:

The proposal is accepted.

The capabilities of today's portable electronic devices like e.g. smartphones make the current rule obsolete.

NP 2022-7

Source:RUS #1
Document: Section 6, Parts 1 and 2,
Subject: Drawing of Lots

Proposal (amended by the RC):

Change para 3.3.1.1 (3.3.1.2 in Part 1) to read:

"The sequence of flights for all Programmes will be determined by drawing of lots.

- a) The Organiser shall, with sufficient notice, submit the set-up of the drawing of lots (items to be drawn, position and clarity of the hidden numbers on items, etc) to the International Jury for approval;
- b) Prior to the drawing of lots, the Organiser shall give the approved items ready for the drawing of lots (i.e. with the number on each item, which will not be visible when drawing the lots) to the International Jury, together with any material needed as approved under a) above;
- c) The International Jury will then set up the items for the drawing of lots, with an appropriate shuffling ensuring a random drawing.
- d) Each competitor will draw his or her own lot in front of attendees during the briefing, under supervision of the International Jury. If a competitor is not present to draw his or her own lot, a member of that competitor's team may do so."

Decision:

The proposal is accepted.

NP 2022-18

Source: ESP #7

Document: Section 6, Part 1 and Part 2

Subject: Remove PZ

Proposal:

Remove the Perception Zero as an element of judging, and return to the previous system, in which any figure incorrectly flown in respect to a geometrical criterion or technical criterion (i.e. all the PZ cases, according 4.4.2.1) would be HZ.

Decision:

The GAC intensively discussed the proposal and a majority of GAC members voted to **accept the proposal in principle**.

In detail:

The Spanish proposal is incorrect in saying that the "previous system" prescribed a HZ for "any figure incorrectly flown in respect to a geometrical criterion or technical criterion."

Before the introduction of the PZ, rule 5.3.2.2 said:

"Additionally, a mark of **soft zero** will be given if the Judge considers that the figure is incorrectly flown in respect of a criterion that is a matter of subjective perception, rather than clearly demonstrable fact. For example, if the Judge considers that a flick roll or spin never started proper auto-rotation, or that a tail slide did not move backwards by the required amount."

In contrast, rule 5.3.3.1 said:

"A grade of "Hard Zero" (HZ) should be given 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**."

Thus, the "previous system" clearly distinguished between "hard" and "soft" errors, which were marked either HZ or 0.0 (soft zero).

Thus the GAC sees merely a semantic difference between the PZ and the former "soft zero" and cannot recognize any far-reaching consequences, if we would go back to the "previous system".

Furthermore, the GAC members see a widespread lack of understanding and acceptance of the FPS scoring system both among competitors and judges.

The GAC sees an urgent need to re-consider our scoring philosophy.

NP 2022-24

Source: ESP # 13

Document: Section 6, Part 1

Subject: Selection of Unknown Sequences

Proposal:

The unknown sequence to be flown by all competitors will be determined by drawing of lots among the proposed sequences.

Remarks by the GAC:

Currently only one Free Unknown is flown in glider aerobatics. The other unknown programmes are Unknown Compulsories, selected by the jury from the sequences proposed by the teams. In case of doubt the jury may modify the selected sequence for safety reasons. The GAC considers this procedure much safer than selecting a mandatory sequence simply by drawing of lots as proposed by Spain.

Urgent Proposals from WGAC/WAGAC 2021

Based on experience from WGAC/WAGAC 2021, the International Jury submitted three urgent proposals to CIVA.

1. Selection of Unknown Figures

SC 6, Part 2; amend paras 2.3.1.2 and 2.3.1.4 to read:

- 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. **Lots will be drawn, supervised by the International Jury**, 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 cover Families not already represented (if any). Repetition of Catalogue numbers is not allowed throughout the nominated figures.
- 2.3.1.4 The 7 selected figures must comprise:

Family	Advanced	Unlimited
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; not more than one flick per figure; not more than three flicks with 720 degrees total rotation

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).

For "UG" the sum K-Factor of the first three selected figures may not be more than 110.

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).

Rationale:

In WGAC 2021 it became obvious that rules for limiting the complexity and K-Factors of selected figures were urgently needed to stay within the overall K-Factor limits and to produce flyable sequences.

- The number and total rotation of flicks within one sequence must be limited.
- Only the first three lots drawn may select high-K-Factor figures.

The change in para 2.3.1.2 is editorial.

2. Unknown Sequences "AG"

Add the following sentence at the bottom of para 2.3.2.1:

2.3.2.1 "AG" Sequences must be finished in upright flight.

Rationale:

Safety.

3. "Box-Flight"

Amend para 4.1.1.3 to read:

4.1.1.3 The Chief Judge shall brief and direct a non-competing pilot nominated by the organisers to demonstrate the 'low' and 'disqualification' heights around the performance zone prior to the commencement of contest flying each day. This demonstration will normally comprise:

- a) Flight along the front boundary and the two main axes, dipping the wing above the 'T's and the centre marker.
- b) The Chief Judge should clearly announce to all judges the 'low' or 'disqualification' height being flown, and draw attention to the appearance of the demonstrating aeroplane with particular reference to:
 - i) Its proximity to the ground, to assist later assessments of low flying and
 - ii) Indications of the box boundary with respect to notable local / surrounding features, to provide a sound basis for assessment of the positioning mark.

Rationale:

Since the positioning letters for each figure are determined by the judges with reference to the cross-axis and the front boundary, it is unnecessary to fly the two sides and the rear boundary. This will save time and fuel.

Appendix A

In 2020 para A.2.1.2 was introduced:

"In Advanced Glider no roll element may be added after a spin."

In power Intermediate and Advanced there is indeed this restriction.

In Advanced Glider the only roll element which could be added after a spin is 9.1.5.1 and the GAC sees no safety issue with it and recommends to remove the restriction again.