

# FAI / GAC - Precision Flying sub-committee

Annual Meeting – Zoom meeting – November 6th. 2021



## Sub-committee members / participants

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Esther Rimensberger	Switzerland	
Jiri Dodal	Czech Republic	
Kris Lenartowicz	Poland	
Kurt Norrevik	Norway	
Manfred Kunschitz	Austria	
Petri Hiltunen	Finland	/ Did not participate
Ralf Grunwald	Germany	
Allan Hansen	Denmark	/ Chairman
Jacques Carriquiriberry	France	/ Guest
Håkan Carlsson	Sweden	/ Guest

The last year has been spent on completing the new Landing Appendix common to all GAC sports and rewriting the Precision Flying Rules in a new word doc. (formatting etc.). Minor changes to the rules themselves. Changes marked in yellow in the rules for approval and compressed here.

## GAC Precision Flying Rules

### Section                      Comments / changes

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- A.2.2.15      Procedure turn. Added sentence:  
A procedure turn will be prescribed where any turn point involves a change of track of more than 90 degrees. **Nevertheless, for safety reasons, such turns should be less than 135 degrees.**
- A.2.2.17      Competition maps. Added sentence:  
Only maps with good topographic information to a scale of 1:200,000 - 1:300,000 will be used for competition purposes. **Preferential the scale should be 1:200.000. The scale will be published in the local rules.**
- A.10.1.5      Table of penalties (Altitude). Added words:
- |   |     |     |
|---|-----|-----|
| • Flying below the minimum <b>or above maximum</b> altitude (each time) | 500 | 500 |
|---|-----|-----|
- B.6.5              Training practice. Added sentence:  
Training practice must not be interrupted for display or show practice **or other activities seriously disturbing the training practice.**
- B.9.1              Navigation routes. Changed number of routes / sentence:  
The organizer must prepare **and submit** a minimum of **3 4** complete routes, **one of which should be a "bad weather" route.**
- B.9.7              Photo targets. Changed wording:  
Photo targets will be taken from the air, in colour, taken on track but not more than 100 meters left of the centerline in the direction of the line of flight. Photos must be taken in direction of flight and slightly to the left, but not more than 45° to the left. They will be neither too old nor taken in different climatic conditions than those prevailing at the season of the competition. **They shall be taken with a 50 to 75 mm lens for 24 x 36 mm format at an altitude between 800-1000 feet AGL. Photos should be taken from an altitude between 800 to 1000 feet AGL and must depict an area on ground measuring not less than 200 m wide by 160 m in depth.**

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B.11.5 Jury. Deleted sentence:  
The jury will be provided with an office of adequate size to hear protests. The office will be kept locked at all times in the absence of the jury. ~~The room will, where appropriate, contain a TV, videocassette recorder and monitor.~~

B.13.5 List of trophies. Changed wording:  
(\* ) "Low experienced pilot" is defined as a pilot with a maximum of 300 flying hour's total time on ~~powered aeroplanes~~ ~~Single Engine Aircraft~~ before general briefing.

C.1.7 Deleted (same in A.0.2) :  
~~TEAM MEMBERS~~  
~~Each national Aero club may nominate a maximum of 5 named competitors to be scored within the championship. Additional competitors may be nominated, provided that the maximum number of competitors will be not exceeded. These additional competitors will not be taken into account for final team rankings.~~

## GAC Landing appendix

2021 changes from both Rally and Precision Flying sub-committee.

<u>Section</u>	<u>Comments / changes</u>
4.1.6	<u>Precision Flying specific. Calculation of result. Deleted (same in 6.2.3) :</u> <del>For the calculation of the results in the case of a tie, the competitor with the lowest number of penalties in the first of Landing 3 (Idle power landing without flaps) or Landing 2 (Idle power landing) or Landing 4 (Obstacle landing) will be awarded the place.</del>
4.1.7	<del>If there is a continuing tie multiple winners will be declared.</del>
4.1.6	<u>Rally flying specific. Added :</u> The maximum crosswind component for a rally competition shall be 12 knots. The competition director may announce a lower value before the competition.
4.1.7	With reference to 5.2.17, it is preferred to use a Video Recording system with at least 4 cameras, with greater than 100 fps, however an electronic measurement and recording system previously approved by GAC may be used.
5.1.3	<u>Training practice. Added sentence:</u> Training practice must not be interrupted for display or show practice <del>or other activities seriously disturbing the training practice.</del>
5.2.14	<u>Video recordings. Changed number / added words.</u> Video recordings of landings must be arranged, as they are vital to enable the jury to come to a decision, in the case of a protest, based on factual evidence. The video crew should comprise at least <del>two</del> <del>three</del> (3) hand-held video cameras located about 10 meters from the runway and positioned about 20 meters before and after the "0" line <del>and at the "0" line</del> . Video crews must be trained before the competition to provide the best camera location and viewing angle. A continuous following of the wheels, before, during and after the touchdown, is essential and runway markings must be visible on the videotape to enable final judgment on touchdown point and landing techniques. The video recorders must provide at least one hundred frames per second (100 fps) recording.

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## **Events**

25<sup>h</sup> FAI WPFC 2022, France.

Final bid will be send / presented to the GAC plenary meeting.

Link to a short view from the national championship in Albi, France (August 2021).

<https://www.youtube.com/watch?v=KTYsqfYIYAQ>

Link to an explication about live tracking.

<https://www.youtube.com/watch?v=niikFVJNtEw&ab>

## **Miscellaneous**

Norway has developed a live tracking system that was used for Norway's National Championship and was presented live on national TV. At the end of the sub-committee meeting, we saw a video about this system.

Nice and good opportunities to present our sport.

Link to the Norwegian live tracking system:

<https://youtu.be/FMiGOJXxCCw>

Hope to see you in France in 2022

Looking forward to real physical flying activities.

Best regards

Allan Hansen

A handwritten signature in black ink that reads 'Allan Hansen'. The signature is written in a cursive style with a large, prominent 'A' and 'H'.