

## CIVA CATALOGUE, RULES, & JUDGING SUB-COMMITTEES

### Rules Changes for 2001 - Powered Aerobatics

The following changes were approved to FAI Sporting Code, Section 6, and CIVA Regulations, Parts 1 (Unlimited) and 3 (Advanced), with effect from 1 January 2001.

Changes to CIVA Regulations, Part 2 - Glider Aerobatics, will be presented in a separate document.

Submitter	Subject	Synopsis and Action by Sub-Committee
Australia	Programme Q - Unlimited	Delete mandatory exclusion of pilots scoring less than 60%
	<b>Rationale:</b> <i>The present rule requires that any pilot who does not achieve 60% in Programme Q will not continue in the competition regardless of reason. CIVA agreed with Australia that this measure was too severe and changed back to the previous version which disqualifies any pilot from continuation in the competition who does not score 60% if there are valid safety reasons. The wording would be the same as presently exists in Part 3 - Advanced Category.</i>	
Great Britain	CIVA Sanction Fees	Sanction fees charged contest organisers by CIVA would no longer be a percentage of pilot entry fees but would be a fixed amount.
	<b>Rationale:</b> <i>In years past, CIVA Sanction Fees have been 10% of the pilot entry fees for FAI Aerobatic Championships. With organisers now not including hotel accommodation in the entry fees, the percentage is no longer a valid method of assessing the fees. The Sub-Committees agreed with the British proposal but the exact amount charged will be established at a later date when budgets are determined and approved by CIVA for 2002. Budgets for the 2001 World Air Games were previously set by letter of agreement between FAI and the organisers.</i>	
	FAI Aerobatic Catalogue & Glider Aerobatic Figure Catalogue (GAF)	New figures added to Family 8 and a number of sub-families are deleted in both power and glider. The proposal also includes updates to Appendix 3 (Unknown figures) in all three Parts of CIVA Regulations (Unlimited, Advanced, and Glider).
	<b>Rationale:</b> <i>The new figures are natural extensions of figures approved by CIVA in 1998. Deletion of certain sub-families in Family 8 is recommended to remove unused figures in favour of these new figures. The new Third Edition of the FAI Aerobatic Catalogue is now available on the CIVA website.</i>	

<b>Finland</b>	Judges	Proposals to establish rules and procedures with regard to judge qualification, training, selection, and evaluation. Referred to Judging Sub-Committee for further work in light of President's proposals regarding judge selection.
	<b>Rationale:</b> Finland proposed a variety of initiatives which require considerable work on Sub-Committee level and which should be considered as procedures and rules are written to implement the President's proposals on judge selection. More work to be done in April 2001 at Sub-Committee meetings and presented to CIVA later in the year.	
<b>France</b>	4-Minute Free Programme	To be flown after Programmes Q, 1, and 2 if there is insufficient time for Programme 3
	<b>Rationale:</b> Programme 4 is short in length and one of the most spectacular flights of the contest which always attracts media and spectator interest. If Programme 3 cannot be flown in the time available, the 4 Minute will be substituted. The contest will have been complete as two programmes will have already been flown.	
	Box changes - Direction of flight	Pilot notification period of 30 minutes if box direction is changed
	<b>Rationale:</b> With a change in wind and box direction, pilots will be given sufficient notice in order to prepare for their flight.	
	Family 8 in Unknowns (U & A)	No vertical down flick on 8.43 or 8.44, columns 1 and 2 when hesitation roll is specified in the top of the loop. Also included are 8.51 and 8.52.
	<b>Rationale:</b> This rule was adopted for safety reasons.	
	Family 7 in Unknowns (U & A)	No horizontal flicks in 8.31, 8.32, 8.41, 8.42, columns 1 and 2
	<b>Rationale:</b> This is a logical consequence of rule 1.2.3.8.(c).	
	Unknowns (U & A)	Unlinked and opposite rolls to be permitted on horizontal "stabilised" lines.
	<b>Rationale:</b> This will prevent the interpretation of the tops of Family 8.43 figures as being "horizontal lines".	
	Radio Checks & Standard Phraseology	Allows pilots to make radio checks prior to box entry with acknowledgement from the Chief Judge. Also establishes standard phraseology for time limits and breaks.
	<b>Rationale:</b> The use of radios for safety reasons is desirable and it is now possible for pilots to check the operation of their radios prior to entering the Performance Zone. Standard phraseology is also desirable for the Chief Judge to use when the time limit is reached in Programme Q and when the pilot is being instructed to "break".	

	Wind Limits	When wind limits are exceeded, they must stabilise at or below the limits for 30 minutes prior to the resumption of competition flight.
	<b>Rationale:</b> Pilots should not be subjected to constant "go/no go" changes due to winds exceeding and then dropping below limits. Therefore, it is desirable for the winds to stabilise below the wind limits for a period of time so there is a great chance that flying will continue uninterrupted and pilots will not suffer psychologically.	
	Safety Amendments to Regulations	The introduction of urgent safety proposals at the plenary meeting which may not have been compliant with the normal rules making procedure are now allowed.
	<b>Rationale:</b> This new rule gives CIVA flexibility on dealing with important safety matters outside the normal rules process.	
Germany & South Africa	Advanced Unknowns	The rules introduce various maximum K's for figures and sequences to gradually increase complexity as contest progresses and field is reduced by cuts. Sub-committees had recommended the adoption of the South African proposal which requires that no figure exceed 35 K in Programme 2, 40 K in Programme 3, and 45 K in Programme 4. CIVA agreed.
IAPA	Wind Speed	The new rule details how and where the wind speed is to be measured
	<b>Rationale:</b> Wind speed must be measured on the airfield or in the immediate vicinity. Qualified people must be used. Use of an aircraft to measure wind speed is not permitted.	
Italy	4-Minute Results	Proposal to include Programme 4 in overall standings was deferred by CIVA until the November 2001 meeting.
	<b>Rationale:</b> CIVA agreed in principle that Programme 4 (Unlimited) should be included in the final results of the Championships. A working group completed work on judging criteria for the flight (see below) and these new criteria will be included in the 2001 version of CIVA Regulations, Part 1. Once experience is gained with the new criteria, CIVA will take a decision on the inclusion of the Programme 4 results in the overall standings of the Championships.	
Scoring Director -	Zeroes	Use mark of "0.5" as a "soft" zero to differentiate from "hard" zero

<b>Director - Rudy Penteado</b>	<b><i>Rationale:</i></b> Judges will award a mark of "0" for an incorrect or omitted figure and a mark of "0.5" for any figure which reaches zero through point deductions based on poor quality of execution. This will improve the JPF system as it will be able to identify judges who miss incorrect figures versus those who arrived at their scores through point deduction. Therefore, more precision in the calculation of JPF's is possible and the operation of the Chief Judge's station will be more efficient.	
	Missed figures	Formalize use of "A" grade to generate average score for figure not seen
	<b><i>Rationale:</i></b> Codifies common practice on the Judges Line and also will now permit the computer scoring program to actually calculate the average marks.	
<b>President of CIVA</b>	Gender	<p>The President's proposals to eliminate gender differentiation in Unlimited was withdrawn by the President during the plenary meeting in November 2000. He did propose, however, the creation of a new Men's World Aerobic Champion Trophy.</p> <p>CIVA also agreed to a British proposal made during plenary as follows:</p> <p><i>National Aero Clubs shall notify the organizers 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 countries up to a maximum of ten(10). Of these pilots, no more than six (6) may be of the same gender.</i></p> <p><i>If the resulting total number exceeds eighty (80) competitors, the organizers shall have the right, without reference to CIVA, to reduce the maximum number of pilots per country to nine (9) or eight (8), and in this event shall notify National Aero Clubs accordingly.</i></p>
		<b><i>Rationale:</i></b> Self-explanatory.
	Judge Selection	Judges for World and Continental Championships are to be selected by CIVA and will no longer be a part of Teams. See President's Proposals for details.

	<p><b>Rationale:</b> These rules are to bring CIVA in line with the General Section of FAI Sporting Code which requires Commissions to select judges. Nominations will be made by NAC's by 1 March each year and the Judging Sub-Committee would meet in the spring to do final selections taking into account JPF's (if available) and other data submitted by NAC's. Judges and Assistant Judges would be paid stipends of \$500 and would pay no entry fees (with effect from 1 January 2002 in the case of entry fees). Seven judges would be selected for WAC's and AWAC's with the remaining slots filled after Programme Q on the contest site. Judges for Continental Championships would be "approved" by CIVA.</p>	
South Africa	Time limits	Time limits may be waived if there is intermittent cloud passing through box to insure contest completion
	<p><b>Rationale:</b> This proposal would allow a competitor to orbit until the box is clear in order to expedite the flow of the competition.</p>	
	AWAC Trophy	Advanced World Champion Trophy to be named the "Peter Celliers Trophy"
	<p><b>Rationale:</b> Peter Celliers was instrumental in the organisation of the 1<sup>st</sup> AWAC in South Africa. This trophy will honor his many contributions to aerobatics.</p>	
USA	FAI Catalogue Examples - Unlinked or Opposite Spins	Examples in Catalogue showing these spins to be deleted and wording in CIVA Regulations to be introduced to prohibit their construction.
	<p><b>Rationale:</b> CIVA agreed to the prohibition of these figures because of the difficulty in judging and flying such figures.</p>	
Other	Huber Height Measuring Device	CIVA agreed that the Huber Height Measuring Device (HHMD) developed for powered aerobatic aircraft would be required at the World Aerobatic Championships with effect from 1 January 2001. Rules regarding its usage will be included in Parts 1 and 3 of CIVA Regulations.
	<p><b>Rationale:</b> The HHMD has been in use in glider aerobatics for several years with much success. After testing the powered version of the HHMD at two Championships, it was agreed by CIVA that the device is ready for implementation. Teams will be required to purchase HHMD's for their aircraft as these will not be provided by the organisers.</p>	
4-Minute Free Style (Unlimited)	Changes to criteria	Judging criteria for Programme 4 has been completely re-written and will be included in the 2001 version of CIVA Regulations, Part 1. Complete summary of these changes are included in this document below.

	<b><i>Rationale:</i></b> CIVA has agreed "in principal" that the 4 Minute Free Programme should be included in Championships results. Final decision on when this is to occur will be taken after the 2001 contest season.
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## **Changes in CIVA Regulations (Part 1) for the Final Freestyle Programme (Programme 4)**

Following the CIVA Rules & Judging sub-committee meetings held in May, it was decided to set up a working group of the representatives of the three countries who had made proposals with regards to this programme. The working group being:

Alan Cassidy - United Kingdom  
Ernst Paukner - Germany  
John Gaillard – South Africa

The group met during the course of the WAC in Muret and the following was agreed.

1. The Programme should be restricted to the top 20 pilots after completion of the Unknown Programmes.
2. The Programme should be included in the results for the individual World Championship, but not team standings.
3. The timing of the Programme should be modified to be within 3.5 & 4 minutes duration, with the current time penalties retained for any infringements beyond these times.
4. The Programme should be judged on three main criteria
  - (a) Technical Merit
  - (b) Artistic Impression
  - (c) Positioning
5. That Technical Merit (160K) should take into consideration the following factors
  - (a) Use of the full range of the flight envelope – 40K
  - (b) Exploitation of aerodynamic & gyroscopic forces – 40K
  - (c) The clarity of the execution of individual manoeuvre elements – 40K
  - (d) The combination of elements in a wide variety of figures flown on different axes & flight paths – 40K
6. That Artistic Impression (160K) should take into consideration the following factors
  - (a) The pleasing and continuous flow of figures – 40K
  - (b) Contrasting periods of dynamic (5 a & b above) and graceful manoeuvres – 40K

- (c) Presenting individual figures in their best orientation – 40K
- (d) A balanced sequence of figures relative to the main axes of the performance zone –40K
- (e) Synchronisation with musical accompaniment - \* see note below

\*Note: That whilst after considerable debate it was decided not to allow the introduction of music for various reasons to the programme at this stage, should this ever change, the synchronisation aspect would be of significant importance.

7. That Positioning (80K) should take into account the following factors
  - (a) The sequence should be centred on the judges position – 40K
  - (b) The sequence must be flown within the performance zone – 40K
8. That the total K factor for the programme needs to be compatible to those in programmes one to three, 400K is recommended, divided Technical Merit – 160K, Artistic Impression – 160K & Positioning – 80K
9. That scoring be out of ten and accurate to 0.5
10. That scores no longer be on a comparative basis, but against the criteria set out above, scores to be submitted after each flight to facilitate instant scoring as with the other programmes.
11. That scores be given against each sub-category of the main criteria.
12. That the maximum height will be 2,500 feet.
13. That the current wind limitations be dropped for the programme, with the Contest Director & Jury determining whether flying is safe within the prevailing wind conditions.

MRH  
04.02.01