



Summary of Conclusions

*Fédération
Aéronautique
Internationale*

of the Annual Meeting of the FAI Aerobatics Commission (CIVA)

held in Kraków, (Poland)
on 5 and 6 November, 2011
at the Museum of Aviation

Ver. 1.2/ 22 November 2011

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1. MINUTES OF THE 2010 MEETING

The minutes of the 2010 meeting were accepted unanimously

2. REPORT OF THE PRESIDENT OF CIVA

CIVA accepted unanimously the Report

3. REPORT OF THE TREASURER OF CIVA

CIVA accepted unanimously the Report

4. REPORTS ON THE WGAC / WAGAC

Report of the President of International Jury (Agenda item 6.1)

Report of the Contest Director (Agenda item 6.2)

Report of the Chief Judge (Agenda item 6.3)

CIVA accepted unanimously all 3 reports

5. REPORTS ON THE WAAAC

Report of the President of International Jury (Agenda item 7.1)

Report of the Contest Director (Agenda item 7.2)

Report of the Chief Judge (Agenda item 7.3)

CIVA accepted unanimously all 3 reports

6. REPORTS ON THE EAC

Report of the President of International Jury (Agenda item 8.1)

Report of the Contest Director (Agenda item 8.2*)

Report of the Chief Judge (Agenda item 8.3)

CIVA accepted unanimously all 3 reports

7. Q AND KNOWN COMPULSORIES FOR 2012



PROPOSAL 'D'		2012	FORM B
Pilot ID #	Unlimited Programme Q		Flight #

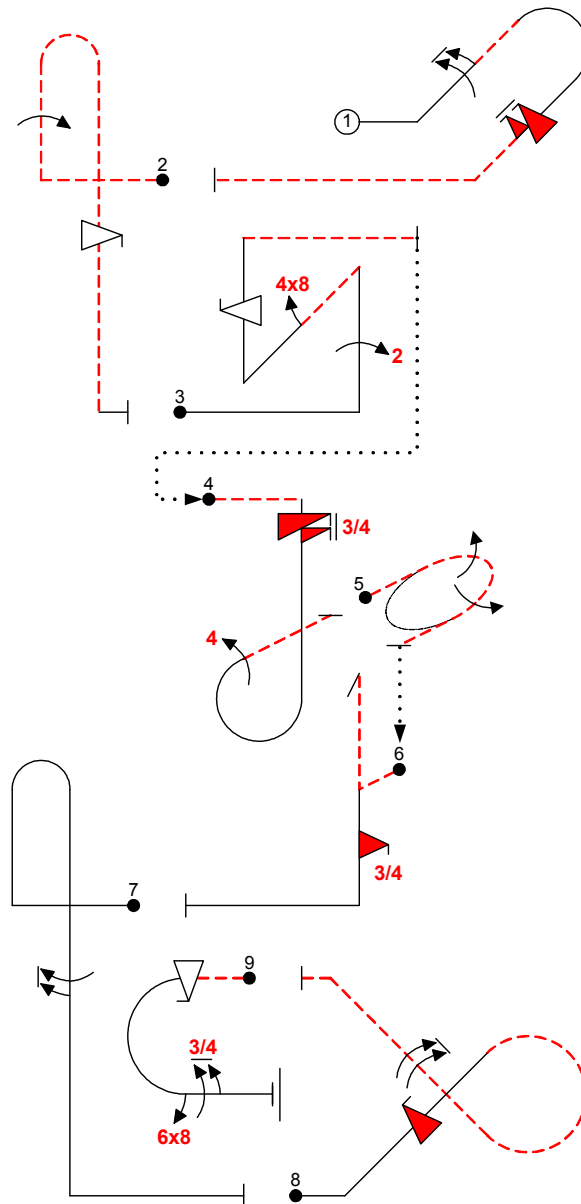
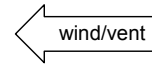


Fig 1	8.16.1 9.1.2.6 9.10.9.6	14 12 19	45
Fig 2	8.2.2 9.1.1.4 9.9.10.4	17 12 13	42
Fig 3	1.38.1 9.2.1.4 9.8.4.2 9.9.1.4	20 13 7 15	55
Fig 4	8.33.4 9.12.1.7 9.4.3.4	12 5 11	28
Fig 5	2.6.4	25	25
Fig 6	5.1.4 9.10.5.3	22 13	35
Fig 7	8.1.1 9.1.5.6	13 10	23
Fig 8	7.19.1 9.10.7.4 9.1.2.8	16 17 15	48
Fig 9	7.1.4 9.9.8.4 9.8.3.3 9.1.3.7	6 13 11 11	41
Total K = 342			

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Pilot

A/C



PROPOSAL 'D'		2012	FORM B
Pilot ID #	Advanced Programme Q		Flight #

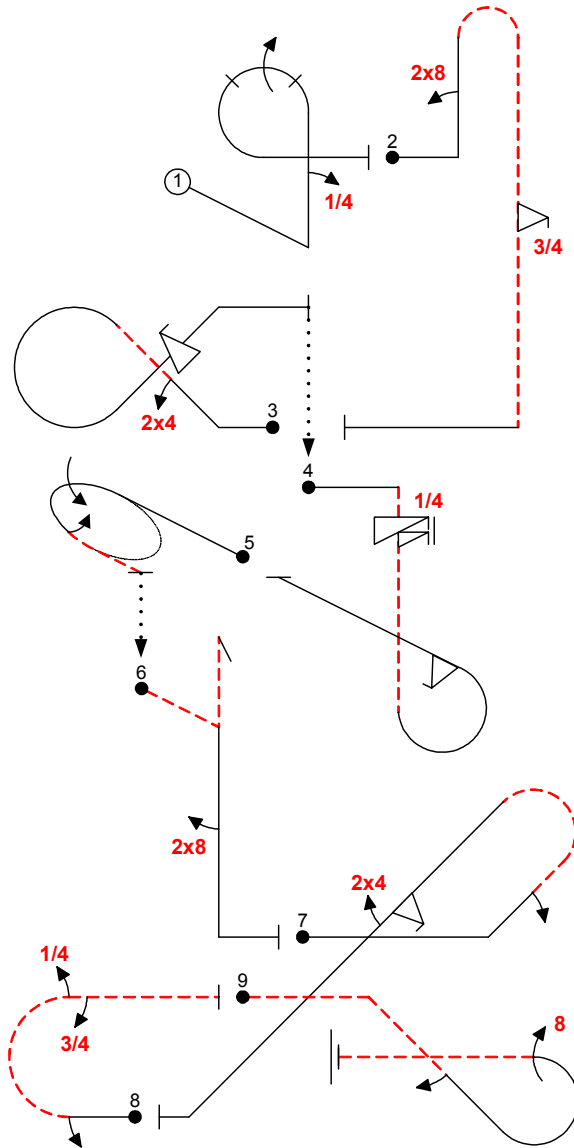
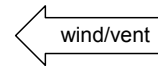


Fig 1	8.33.1	11	25
	9.1.1.1	6	
	9.1.3.4	8	
Fig 2	8.3.1	15	35
	9.8.1.1	7	
	9.9.10.3	13	
Fig 3	7.20.1	14	34
	9.4.2.2	7	
	9.9.2.4	13	
Fig 4	8.40.3	13	28
	9.11.1.5	4	
	9.9.3.2	11	
Fig 5	2.17.1	24	24
Fig 6	5.1.4	22	25
	9.8.5.1	3	
Fig 7	8.19.1	14	36
	9.1.2.2	6	
	9.9.4.2	11	
	9.4.4.2	5	
Fig 8	7.4.1	8	20
	9.1.3.2	4	
	9.1.3.1	2	
	9.1.3.3	6	
Fig 9	8.32.4	11	30
	9.1.4.2	4	
	9.8.3.4	15	
Total K = 257			

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 Pilot
 A/C



PROPOSAL 'B'	2012	FORM B
Pilot ID #	Yak 52 Programme Q	
	Flight #	

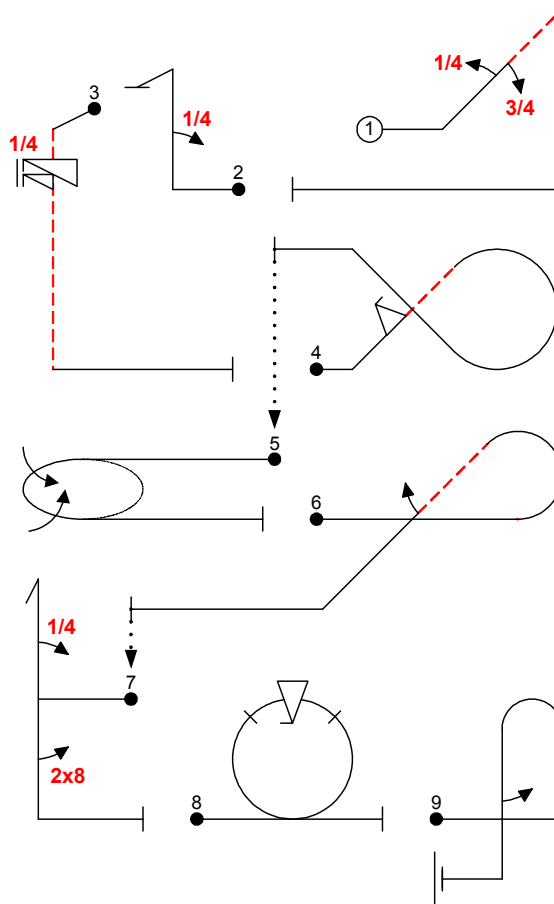
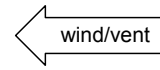


Fig 1	1.14.1 9.1.2.1 9.1.2.3	12 4 8	24
Fig 2	1.6.1 9.1.1.1	10 6	16
Fig 3	1.6.3 9.11.1.5	10 4	14
Fig 4	7.20.1 9.9.2.2	14 13	27
Fig 5	2.6.1	22	22
Fig 6	8.42.1 9.1.4.2	10 4	14
Fig 7	5.1.1 9.1.1.1 9.8.5.1	17 6 3	26
Fig 8	7.5.1 9.9.3.4	10 11	21
Fig 9	8.1.1 9.1.5.2	13 4	17
Total K = 181			

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Pilot

A/C



Proposal "A"		2012	FORM B
Pilot ID #	Advanced Glider Known		Flight #

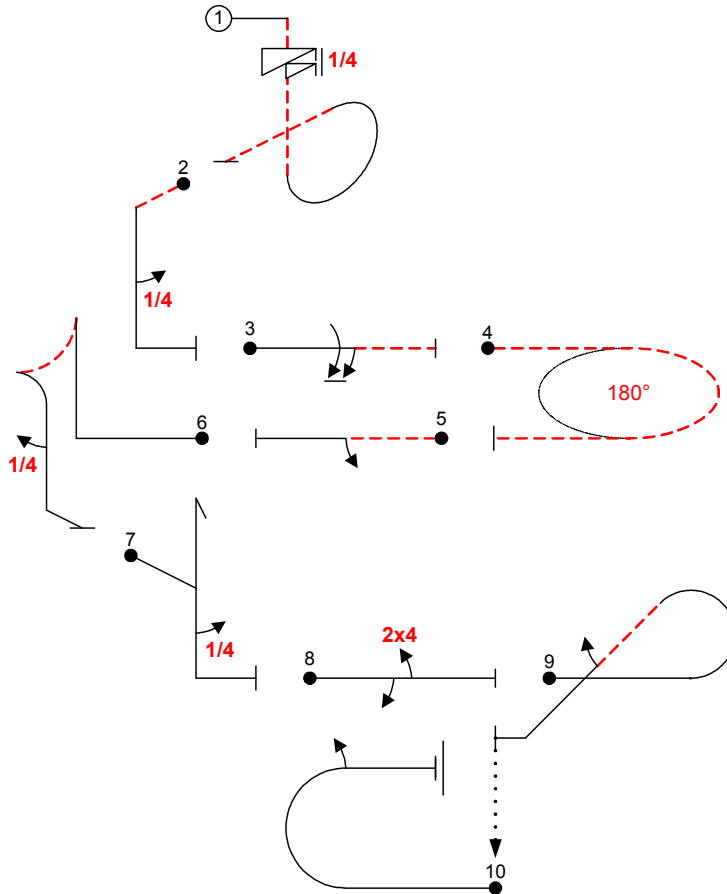
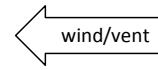


Fig 1	8.34.3 9.11.1.5	13 6	19
Fig 2	1.7.4 9.1.5.1	9 3	12
Fig 3	1.1.3 9.1.3.6	2 15	17
Fig 4	2.2.2	5	5
Fig 5	1.1.4 9.1.3.2	2 6	8
Fig 6	6.2.1 9.1.5.1	17 3	20
Fig 7	5.1.1 9.1.5.1	17 3	20
Fig 8	1.1.1 9.1.3.2 9.4.3.2	2 6 8	16
Fig 9	8.42.1 9.1.4.2	10 6	16
Fig 10	7.2.1 9.1.3.2	6 6	12
Total K = 145			

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Pilot

A/C



Proposal "C"		2012	FORM B
Pilot ID #	Unlimited Glider Known		Flight #

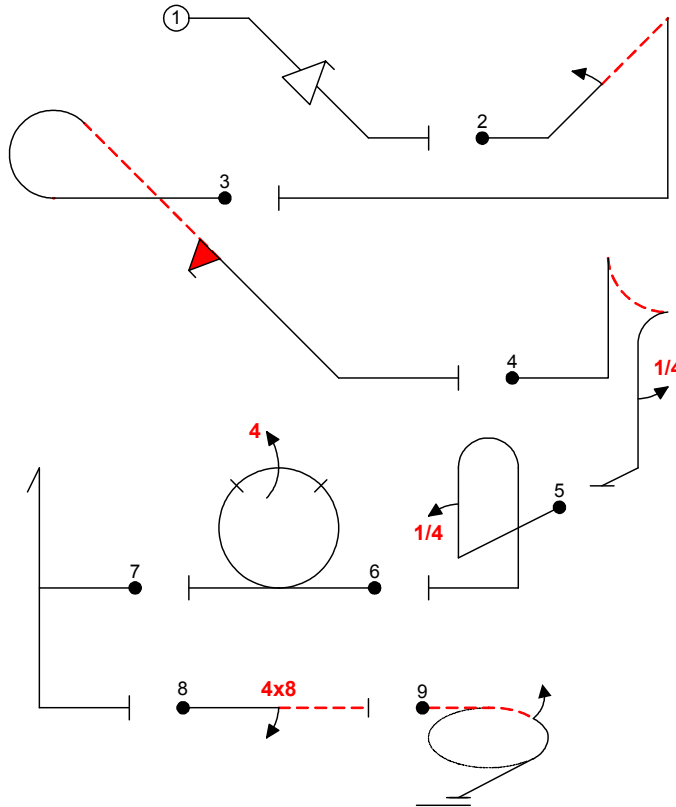
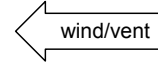


Fig 1	1.2.3 9.9.4.4	7 16	23
Fig 2	1.14.1 9.1.2.2	12 9	21
Fig 3	8.42.1 9.10.4.2	10 15	25
Fig 4	6.2.1 9.1.5.1	17 3	20
Fig 5	8.1.1 9.1.1.1	13 9	22
Fig 6	7.5.1 9.4.3.4	10 17	27
Fig 7	5.1.1	17	17
Fig 8	1.1.3 9.8.3.2	2 11	13
Fig 9	2.16.4	21	21
Total K = 189			

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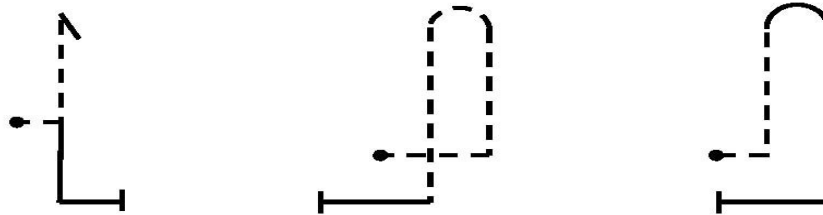
 _____ Pilot
 _____ A/C

8. CIVA SUB-COMMITTEE REPORTS & PROPOSED RULES CHANGES FOR 2012

RSC Proposal 2: Safety figures: addition

Source: France Proposal #2

Add to the list of permitted figures (in Unlimited and Advanced) in 4.3.1.2 the following:



If one of these figures is flown, the horizontal half-roll figure starting from inverted flight is not flown.

[Proposal adopted](#)

RSC Proposal 3: Awards: Clarification & Consistency

Source: France Proposal #3

Align 1.3.1.3 and 1.3.1.4 with 1.3.1.2 on the matter of Unknown Programmes World Champion. Both A and Y52 championships will confer the title: “World Champion in the Unknown programmes”. Rules will read:

1.3.1.3. b) **Advanced World Champion in the Unknown Programmes:**

The competitor who gains the highest total number of combined points in the two Unknowns.

1.3.1.4. c) **Yak52 World Champion in the Unknown Programmes:**

The competitor who gains the highest total number of combined points in the two Unknowns.

[Proposal adopted](#)

RSC Proposal 4: Awards: Clarification & Consistency

Source: France Proposal #3

Add to 1.3.1.3 and 1.3.1.4 same clarification statement as 1.3.1.2.i). Rules will read:

1.3.1.3.e) and

1.3.1.4.e) Awards will be given in compliance with paragraph 4.5.

[Proposal adopted](#)

RSC Proposal 5: Extent of unlinked rolls in unknown figures.

Source: Russia Proposal #1

Rule 9.2.2.1. (applicable to U, A & Y52) to be amended to read:

Unlinked and opposite rolls are permitted only on straight horizontal lines and, in the case of hesitation rolls, with a maximum number of 10 stops, except that:

[Proposal adopted](#)

RSC Proposal 6: Naming of World Champions.

Source: Russia Proposal #2

In paragraphs 1.3.1.2. a) to 1.3.1.2. h): Add “Unlimited” before “World”.

[Proposal adopted](#)

RSC Proposal 7: Number of Supported Judges

Source: Canada proposal #1, South Africa proposal #2.

The contest organisation at Unlimited and Advanced shall be liable to provide food, transport and accommodation for 7 supported judges and their assistants. Additional judges and assistants, making the total of judges up to a maximum of 10, may apply and be selected for the event, but they will be unsupported officials. The costs associated with these unsupported officials need not fall on the organiser, but may be met by the individuals concerned, by NACs, by CIVA or from other sources. For Y52 contests, the minimum number of supported judges would remain 5.

[Proposal adopted](#)

RSC Proposal 8: Review of Judging Criteria for Rolling Turns

Source: United Kingdom proposal #1.

The UK proposal was to remove the following sub-paragraph to Rule 6.8.3.6:

- i) One (1) point for every five (5) degrees of roll remaining when the aircraft has reached its exit heading.

The sub-committees recommend that plenary task the Judging Sub-Committee to review the detailed judging criteria for figures in Family 2.3 to 2.20, and submit recommendations for the 2012 plenary, with a view to improving consistency in judging of these figures.

[JSC recommendation accepted](#)

RSC Proposal 9: Versatility in Free Programmes

Source: United States proposal #1.

Sub-Committees recommend the incorporation of all elements of US proposal #1, shown highlighted in the following table:

4.3.3.6. Versatility

Family	Yak 52	Advanced	Unlimited
1	Not Required	At least one figure	
2	At least one from 2.3 to 2.20		At least one from either 2.5 to 2.15 or from 2.17 to 2.20
5	At least one figure		

6	Not required		At least one figure
7	At least one figure		
8	At least one figure		
9.1 to 9.8	At least one from each subfamily		Not specified
9.9 and 9.10	At least one	At least two, no subfamily specified	At least two from each subfamily
9.11 and 9.12	At least one figure from either		
Opposite Rolls	At least one instance with elements from Families 9.1 to 9.10		

Proposal adopted

Norway Proposal #1: Unknown Figures (Advanced)

Sporting Code Section 6, List of figures for Programme 2 and 3

Rule 9.14. Family 8.13 To 8.18

Add the following:

9.14.1.2. Advanced: No flick roll permitted on the 45° down line of 8.15, 8.17 or 8.18

Proposal adopted

South Africa Proposal #1: Combined Yak52 & Intermediate Championship

Any Intermediate championship sanctioned by CIVA should be considered as a Class II FAI event and be accorded only regional status. Organisers would remain free to choose to have individual Intermediate or Y52 events or to combine them if appropriate to local aircraft resources.

Proposal accepted

South Africa Proposal #3: Bidding process for Championships

The sub-committees considered the proposal to have considerable merit. However, the process for bidding is not strictly a matter for Section 6 of the Sporting Code, but for administration within CIVA. Therefore the proposal is forwarded in its entirety for discussion at plenary and implementation thereafter as the President of CIVA sees fit.

Proposals

- a) *That CIVA introduce a formal evaluation system for bids for Championships, which takes into account all the detailed requirements to stage such a championship and to comply with CIVA Regulations and the results of the subsequent evaluation be submitted to the CIVA Plenary for formal approval. (See attachment to this document for copy of the Evaluation System Form)*
- b) *That CIVA introduces a system where every fourth championship in the series of the various CIVA championships to be held outside of Europe or preference be given to a bid from outside of Europe, providing the evaluation envisaged in a) above is positive. This proposal to be retrospective **effective Jan 1st 2012**. This proposal is not intended to limit bids from outside Europe to every fourth year,*

but merely to give some assurance that there is a fair spread of venues in the overall picture.

Proposal adopted with amendment (bold and underlined)

Judging Sub-Committee Proposals

JSC Proposal #1: CIVA Regulation 7.1.1.4.

Remove the words at the end “with the aid of the President of the Judging Sub-Committee”

Proposal adopted

JSC Proposal #2: CIVA Regulation 7.1.1.5.

Remove the words:

“and before it begins he must hold practice sessions on the judging line during the contestants training flights (see 6 below).”

Proposal adopted

JSC Proposal #3: CIVA Regulation 7.1.1.8.

Remove this clause and replace with the following words:

“In the case of a difference of opinion with regards to a hard zero (HZ) mark, insertion penalty or interruption penalty, a Judging conference will always be held to resolve differences. The official video shall be available to assist in such discussions when it concerns a matter of fact”.

Proposal adopted

JSC Proposal #4: CIVA Regulation 7.1.1.10.

Remove CIVA Regulation 7.1.1.10. in it's entirety and replaced with a notation that as Programme 4 is on a comparative basis, with each judge retaining their scores until the end of the programme, that each judge should set their own standard taking into account that near maximum or minimum scores on the first flights would restrict future comparisons for superior or inferior flights.

Proposal adopted

JSC Proposal #5: CIVA Regulation 2.1.2.1.

Remove the words:

“An additional three Judges may also be allowed to participate but could be subject to an entry fee in exceptional circumstances”

and replace with:

“An additional three judges may be allowed to participate, but their entry fees are not required to be covered by the organiser”.

Proposal adopted

JSC Proposal #6: CIVA Regulation 2.1.3.1.

Remove the words:

“or invited by the organisers of International Competitions”

Proposal adopted

JSC Proposal #7: CIVA Regulation 2.1.3.2.

Remove the words:

“ ... or flown in that level competition as a pilot, or served as an official team trainer whose duties include critiquing appropriate level team members”.

Proposal adopted

JSC Proposal #8: CIVA Regulation 2.1.3.2. b)

Change six months to four months, prior to the beginning of the Championship.

Proposal adopted

JSC Proposal #9: CIVA Regulation 2.1.3.2. c)

Remove the wording

“ ... in addition, prior to the championships, the Chief Judge shall conduct an oral interview with each prospective International Judge. This interview will determine the judge’s basic competency and knowledge of the rules. This examination shall include but not be limited to: judging criteria, familiarity with the Aresti system (Condensed), and the ability to immediately interpret complex figures and sequences”.

In the subsequent sentence remove the word: “also”.

Proposal adopted

JSC Proposal #10: CIVA Regulation 2.1.3.2. d)

Remove 2.1.3.2.d) in its entirety.

Proposal adopted

JSC Proposal #11: CIVA Regulation 2.1.5.1. b)

Remove the words:

” ... if the electronic tracking system is not in operation”.

Proposal adopted

JSC Proposal #12: CIVA Regulation 2.1.5.2.

Replace the current paragraph with the following::

“All Judges who wish to be represented on the Board of Judges must have a qualified assistant, who must also be approved by the Judging SubCommittee and verified by the CIVA Bureau. Any changes in assistant will require approval prior to the commencement of a contest or a programme by either the Judging SubCommittee or Contest Jury as appropriate, without such approval the Judge will be excluded.”

Proposal adopted

JSC Proposal #13: CIVA Regulation 2.1.5.5.

Remove word: “organisers”

and replace with: “ ... the Chief Judge and approved by the JSC”.

Proposal adopted

JSC Proposal #14: CIVA Regulation 2.1.10.1.

Remove the words: “... of the timekeepers assigned to ...”

add at the end of the paragraph “... and his assistants”.

Proposal adopted

JSC Proposal #15a: CIVA Regulation 4.2.2.7. a)

Add new Rule: 4.2.2.7. Penalised Breaks

Renumber existing 4.2.2.6. d) as 4.2.2.7. a)

add the following words after the first sentence:

“A pilot who has taken a penalized interruption following an HZ figure ending in the wrong direction, **MUST** recommence the sequence in the correct direction in order to regain sequence continuity”.

Proposal adopted

JSC Proposal #15b: CIVA Regulation 4.2.2.7. b)

Add the following new paragraph:

“Where an error is made that leads to a penalised break during, or after, a figure that should end on the secondary axis, the “correct” direction of flight on this axis is determined by the pilot when he initiates the turn or rotation that leads to the planned axis change. For example, when starting a 1¼-turn spin, the correct exit direction is set at the start of the spin. When re-starting on the secondary axis after a penalised break, the direction of flight must accord with this “correct” direction previously determined by the pilot’s earlier actions.

The wording of this proposal was not agreed and therefore referred by the President to JSC in 2012.

JSC Proposal #16 - CIVA Regulation 7.2.1.1.

Add the following sentence:

“A Judge has the right to ask for a video review, if it is determined at a Judging conference that his written score is incorrect and he is not in agreement with this ruling”.

Proposal adopted

JSC Proposal #17: Marking of Positioning

5.1.4 Revise the heading to: “Marking of flight Positioning and Symmetry”

5.1.4.1 Unchanged

5.1.4.2 Change to: “The positioning mark will be given by the Board of Judges. Additionally and by prior agreement between CIVA and the Organiser, infringements of the performance zone boundary may be recorded by the judging panel rather than by Line Judges or an approved electronic system.”

5.1.4.3 Unchanged

5.1.4.4 Delete “When line judges are not used, “. The paragraph starts “It is particularly important ...” etc.

Transfer: The entire text of 6.9.1.1 and 6.9.1.2 should be transferred into 5.1.4 at this position, and renumbered accordingly.

5.1.4.5 Change to: “The K factor accorded to positioning marks will be as follows:”
 Unlimited – all programmes: 40K
 Advanced and Y52 – all programmes: 30K

Note: This requires that a new tariff of K factors be agreed for Positioning, which remains constant regardless of whether the judging panel, line judges or an electronic scoring system is utilised. This tariff should be determined after consideration of its likely effect on the overall scoring situation, but might comfortably sit between the two sets of numbers that we currently have in place, as exemplified above.

Transfer: The entire text of 6.9.4 “Sequence Symmetry” (6.9.4.1 and 6.9.4.2) should be transferred to 5.1.4 at this position, and renumbered accordingly.

Transfer: The entire text of 6.9.5 “Summary” (6.9.5.1 and 6.9.5.2) should be transferred to 5.1.4 at this position, and renumbered accordingly.

New Para: A column headed “Pos” on the Form A marks sheet shall be used to record by exception the positions of figures that are not ideally placed, as they are flown.

New Para: When dictating the mark for each figure to the scribe, the judge should where appropriate add a comment in the “Pos” column regarding the placement of the figure if this is considered to have been not ideal. In arriving at this comment the shape and size of the basic figure and the location of any manoeuvres within it should be assessed against the ‘ideal’ placement of the whole figure in the context of the positional scope of the sequence.

Where the judge assesses that figure placement is sufficiently sub-optimal to be recorded then the following annotations (or their local / national equivalent) should be used:

<i>Figure placement:</i>	<i>‘Pos’ annotation:</i>
Somewhat: left of the ideal position:	“L”
right of the ideal position:	“R”
too near to the judge:	“N”
too far from the judge:	“F”
Considerably: left of the ideal position:	“LL”
right of the ideal position	“RR”
too near to the judge	“NN”
too far from the judge	“FF”

New Para: At the end of the sequence the annotations in the “Pos” column shall be used by each judge to determine a sequence positioning downgrade based on these recorded observations. Each single letter is taken as equivalent to a halfmark and each double letter equivalent to a full mark downgrade. For example, the figure “Pos” annotations L, R, N, FF, LL and R would combine as a downgrade of 4.0 marks.

Proposal adopted

JSC Proposal #18: Boundary Judging

Section 6.9.2, Performance Zone Boundaries, should be deleted in its entirety and replaced in 5.1.4 as follows:

New Para: “Where an electronic system or Line Judges are not used, the responsibility for recording boundary infringements will be assumed by the panel of judges. In this situation, when a judge considers a figure to have clearly infringed the performance zone boundary, the “Pos” column should be annotated “Out” in addition to any positional left/right/near/far comments that have already been made. These indications on the score sheet are to be treated similarly to height penalties i.e. a simple majority of judges must prevail for the penalty to be imposed, and the Chief Judge shall be responsible for their assessment and entry onto the pilots Flight Summary Sheet. The normal numeric penalty for each ‘Box Out’ shall be applied in each instance.”

Proposal adopted

JSC Proposal #19: CIVA Regulation 7.2.4.

Revise the heading to:

“Errors in recording Hard and Perception zeros”

Amend text to read:

“The Chief Judge will examine the reasons given by the scoring judges for the award of hard zeros and perception zeros. If a scoring judge has made a mistake and quoted a reason not applicable to the recorded mark, e.g. “HZ: No slide” where the figure is a tailslide, the Chief Judge will instruct the scoring judge to change his mark to PZ. If however the judge has recorded for a tailslide “PZ: Fell the wrong way” then the Chief Judge will instruct the scoring judge to change his mark to HZ. In this way true zeros can all be brought to a common solution, providing correction to the judge and clarity for the pilot.”

Proposal adopted

JSC Proposal #20: CIVA Regulation 6.9.1.1.

Remove wording:

“ ... in one or two ways: mechanically, by means of a tracking device: or ... ”

Proposal adopted

President’s Proposal #3: Height Measuring Device (HMD) for Power

The Polish have created a new HMD this year and after approval by the GASC, it will be in use at the WGAC/WAGAC this year in Torun, Poland.

It is proposed that this device be studied for use in Power. The evaluation of its feasibility for use in powered aircraft to be carried out by a Working Group appointed by the CIVA President. The Working Group will report to the plenary in November 2012, if possible, with the goal for implementation in 2013.

Proposal adopted

President's Proposal #4: Cost Savings

Rule	Subject	Review
2.1.10.	Timekeepers	Eliminate this rule provision. It also contradicts 2.1.6 which states the Chief Judge and his assistant will carry out timing. Also a JSC proposal. Identical JSC proposal adopted
4.1.2.1.	Accommodation	Organizers should be required (not optional) to offer reduced Entry Fee and possibility of Teams booking their own rooms, therefore controlling their costs. This is an option now but should be a requirement. <i>Sub-Committee Comment:</i> <i>Sub-Committees recommend adoption of the same wording as currently exists in Part 2. If Teams wish for assistance in finding accommodation, the organiser can be asked for help.</i> Proposal adopted
4.2.5. & 4.7.	Aerobatic Zone Markings	In conjunction with the discussion on Line Judges, if there are no guarded boundaries, is it necessary to have the extensive box markings the rules now require, as considerable expense to organizers? <i>Sub-Committee Comment:</i> <i>Box markings as they are give great assistance to pilots, and should be retained, with the possible exception of the wind arrows. All pilots have a strict plan for box orientation before take-off and most see no need for the arrows on the box axes. On the other hand, the competition may be delayed in the event of a wind change by the need to open and close arrows in widely separated positions. Generally, the arrows serve no real purpose, but have a strong tendency to slow down flying. They could be eliminated from the box marking requirements without adverse effect.</i> Proposal to delete "wind arrows" adopted

REPORT OF THE CATALOGUE SUB-COMMITTEE

Alan Cassidy, Chairman

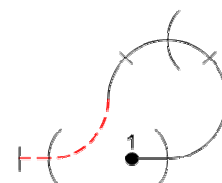
Recommendations for Catalogue Changes for the Year 2012

Proposed New Figures

Family 7

Reversing Loops

Judging criteria will be the same as those currently employed for existing round Loops, with downgrades if a line is flown at the point where the pitch direction changes.



[Proposal adopted](#)

Horizontal "S"s

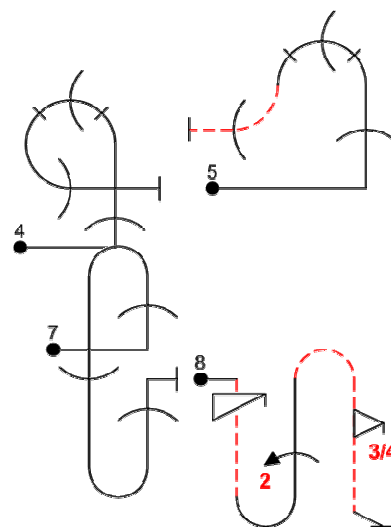
Judging criteria should be as those used for "Horizontal 8"s, with the extremities of the looping segments at the same height as the entry and exit lines.

[Proposal adopted](#)

Family 8

Reversing P Loops

Judging criteria will be the same as those currently employed for existing P Loops, with downgrades if a line is flown at the point where the pitch direction changes.



[Proposal adopted](#)

Double Humpty Bumps

In view of the markedly different speeds possible during the looping segments, there should be no requirement in judging criteria for any radii to be equal, but each must be internally constant.

[Proposal adopted](#)

Revised Numbering of Families

Summary of Proposals

This report is forwarded to Plenary with a request that the proposals be voted individually as follows:

- Proposal 1.** To incorporate in Family 7 the new figures described above as Reversing Loops;
- Proposal 2.** To incorporate in Family 7 the new figures described above as "Horizontal S"s;
- Proposal 3.** To develop the existing rows 8.49 and 8.50 into a larger group to be known informally as "Reversing P Loops";

- Proposal 4.** To incorporate in Family 8 the new figures described above as "Double Humpty Bumps";
- Proposal 5.** To re-order existing figures in Family 8 in accordance with the logic outlined above and shown fully in the following pages (in both Power and Glider figures).
- Proposal 6.** To re-number Families 1 to 8 inclusive according to the logic outlined above and as shown fully in the following pages (in both Power and Glider figures).
- Proposal 7.** The notes about judging criteria included with each new figure description should be referred to the Judging Sub-Committee for approval prior to Plenary.

All Proposals of the Catalogue Sub-Committee adopted

REPORT OF THE GLIDER AEROBATICS SUB-COMMITTEE

Jerzy Makula, Chairman

Change paras 1.3.1.1 and 1.3.1.2

1.3.1.1 Programmes

- a) Programme 1: The Known Compulsory Programme
- b) Programme 2: The Free Programme
- c) Programme 3: The 1st Unknown Compulsory Programme
- d) Programme 4: The Free Unknown Programme
- e) Programme 5: The 2nd Unknown Compulsory Programme
- f) Programme 6: The 3rd Unknown Compulsory Programme

1.3.1.2 Champions

World Champions will be:

- a) World Champion in the Known Compulsory Programme:
The competitor who gains the highest number of points in Programme 1.
- b) World Champion in the Free Programme:
The competitor who gains the highest number of points in Programme 2.
- c) World Champion in the Unknown Compulsory Programmes:
The competitor who gains the highest aggregate number of points in Programmes 3 through 6.
- d) Change para 4.1.7.2:

"Familiarisation flights are subject to the same safety regulations and minimum heights as contest flights, and will be conducted according to a starting list produced by the organiser."

Change para 4.2.2.2 c) last sentences:

"If the contest is significantly delayed due to unfavourable weather and there is a serious risk that **the minimum number of programmes (3)** may not be completed in time, the limit for **the headwind** in the performance zone may be **raised to 12 m/s**

without exceeding a crosswind component of 7 m/s subject to the following provisions:

i) Unanimous decision by the International Jury

ii) Agreement of the Contest Director and the Chief Judge

This decision is to be taken independently for each class (Advanced and Unlimited).

Change para 4.3.1.1:

4.3.1.1 The Championship consists of the following six programmes:

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

Re-number current section 4.3.4 to 4.3.3

4.3.3 Free Programme (Programme 2)

Change new para. 4.3.3.5:

4.3.3.5 Sequence Submission

- a) Not later than at the opening briefing of the contest, each competitor must submit a computer file for the programme to the Contest Director for verification of compliance with the relevant rules. The file must contain completed pages for the three Forms described below. The file format should be Microsoft Visio, using Aresti software, or Olan. **The latest version of either software must be used.** Hard copies or hand drawings will not be accepted. If any pilot has not submitted their Free Programme by the opening briefing, they will not be allowed to take part in Programme 2.
- b) Change new para 4.3.3.7:
- c) 4.3.3.7 Publication and Changes
- d) a) After completion of the examination of the Free Programmes by the Contest Officials, all Free Programmes will be made available to all participants. In order to ensure that the sequence drawings given to the judges are identical to those submitted by the competitors, only copies of the judges' Forms B or C must be published. Protests can be made up to 6 hours after these Free Programmes become available.

New section 4.3.4:

4.3.4 Compulsory and Free Unknown Programmes (Programmes 3 through 6)

4.3.4.1 For Programmes 3 through 6 figures will be chosen from Section 9. Seven (7) figures will be selected for each Programme. A representative of every NAC which has a pilot (or pilots) competing may submit one figure. The order in which teams may select figures will be determined by drawing of lots.

If there are more than 7 NACs participating, representatives will be determined by secret drawing of lots to select one figure each. If there are less than 7 NACs, their representatives will first select one figure. Then, lots will be drawn a second time in order to determine which teams will choose a second figure.

No more than one figure or element may be chosen from families 2, 5, 6, 9.9, 9.10, and 9.11/12. In Unlimited, the minimum acceptable K for each figure is 15. No figure may be selected with a K higher than 40 ("AG" 35). The same catalogue number may only be used once with the exception of continuous rolls (sub-family 9.1).

In the case of teams who select two figures, one must be a reversing figure and the sum K of the two figures must not exceed 60 ("AG" 55).

For subsequent programmes, the same catalogue number may not be chosen again, except for Family 9 (Families 5, 6 and 9 "AG" only).

4.3.4.2 Figures shall be selected taking into account the flight characteristics and operating limits of the 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.

4.3.4.3 The list of figures in Section 9 for Programmes 3 through 6 will be approved by CIVA according to the Aresti System (Condensed) for Gliders. The operating limits of available gliders (full aerobatic certification) must be considered in compiling the list. This list should be re-approved at each CIVA meeting prior to a World Championship, if necessary.

4.3.4.4 The contest Organiser shall provide copies of the list of selected figures to all competing NACs, and each NAC may submit to the International Jury one sequence, composed of these figures, for each Programme. The contest Organiser will determine the deadline for submitting proposed sequences. Sequence proposals must contain complete pages of all three Forms A, B and C. Computer files must be submitted. The file format should be PDF.

4.3.4.5 Sequences for Programmes 3 through 6 are to be composed using all the 7 figures submitted by the NACs and a maximum of two (2) additional figures from Section 9, solely to aid in composition. These additional figures must be simple, but may contain repetitions despite rule 4.3.4.1.

Sequences must have a minimum K of 175 ("AG" 130) and a maximum of 190 ("AG" 145). This may be exceeded by 3 points to facilitate composing the sequences.

4.3.4.6 Unknown Compulsories (Programmes 3, 5 and 6)

- 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 a sequence 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 according to rule 4.3.4.1.
- d) 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.

- 4.3.4.7 The figures for Programme 4 (Free Unknown) are selected according to 4.3.4.1. The sum K of the figures should be between 170 and 180 ("AG" 130 to 140). Each competitor composes their own sequence for Programme 4 from these figures. No more than two linking figures may be added. The K-factor of linking figures will be set at 5K each for two figures or 10K for a single figure. Competitors will be given the list of figures no less than 24 hours before the deadline for submission of the Free Unknown programmes.
- 4.3.4.8 Not later than 24 hours before the scheduled start of Programme 4, the competitors must submit a computer file containing the three standard CIVA forms for their Programme 4, as described in rule 4.3.3.5. The responsibility for accuracy and conformance of Forms A, B and C lies with the competitor. Any pilot who has not submitted their Programme 4 forms on time will not be allowed to take part in Programme 4.
- 4.3.4.9 Training for Unknown Programmes is not allowed. Competitors violating this regulation will be disqualified (see also 5.2.4.1).

Change para 5.2.4.1 to read:

- 5.2.4.1 Training for **Unknown Programmes** will lead to disqualification from the entire contest.

Editorial changes to Part 2 concerning the use of Height Measuring Devices (HMDs)

- a) The introduction of yet another HMD system offers the opportunity to clarify the various paragraphs dealing with the use of HMDs.
 - b) The following changes are purely editorial and do not modify the content of any existing rules.
 - c) 4.2.4.2 For towing procedures with Height Measuring Devices see section 10.
 - d) 4.2.4.3 Height Infringements
 - e) For an infringement of the upper limit of 1200 m (over datum) the competitor will incur a penalty of 70 points if the first figure is started above 1200 m or this limit is exceeded in the course of the first figure. If the upper limit is exceeded during a subsequent figure, there will be no penalty. This rule can only be applied when an HMD is used.
 - f) For an infringement of the lower limit of 200 m (over datum), the competitor will incur a penalty of 70 points for each figure flown entirely or in part below this limit.
 - g) For an infringement of the safety height of 100 m (over datum) the competitor will be disqualified for the current programme.
- 4.2.4.4 **If there is no HMD, height aiming device or electronic positioning instrument available**, infringements of the heights of 200 m and 100 m respectively (over datum) shall be determined by the Board of Judges on a simple majority. For better judgement of these heights by the Judges, a neutral aircraft pilot will carry out flights at 100 m and 200 m along the principal axis and the front and back boundaries of the performance zone (if necessary before flying starts each day).
- 4.2.4.6 **Height Measuring Devices** (HMDs)
- a) At present there are three systems approved by CIVA: the Huber height measuring device (HHMD), the Meierhofer height measuring device (MHMD)

and the Poznan height measuring device (PHMD). For technical characteristics and operating procedures see section 10. The Local Regulations must state which type of HMD will be used. Whenever an HMD is used, it will be the primary reference to verify compliance with height limits and for decisions on penalties or disqualifications due to height infringements.

5.2.1.2 (new)

- a) When an HMD is used, a penalty of 70 points is given if the first figure is started above 1200 m or this limit is exceeded in the course of the first figure. If the upper limit is exceeded during a subsequent figure, there will be no penalty. The start of a figure occurs when the aircraft departs from level flight for the first time or when a roll is started on a horizontal line.
- b) When an HMD is used, the Judges will mark all the figures regardless of the altitude and also note down any height infringements they observe. The excursions below 200m will be recorded at the Chief Judge's position and penalty points will be assessed accordingly. 70 penalty points will be given for every figure during or before which the 200m signal is received.

5.2.1.6 When infringements of the lower height limits are estimated by the judges, they will be penalised only if a simple majority has recognised the violation and duly recorded this on their marking sheets. In case the required simple majority could not rise from a vote within the Board of Judges, the Chief Judge shall have a casting vote. If an HMD is in operation, the official video should be checked to verify audible outputs from the HMD receiver. Which figures will be given penalties will be determined by the Chief Judge at the end of a flight.

10.1.1.1 There are currently three types of Height Measuring Devices approved by CIVA.
c) The Poznan Height Measuring Device (PHMD)

10.2.1.4 f) Descending below 200 m until reaching 100 m: continuous signal "beep-beep-beep" (MHMD and PHMD)

10.3.1.1 Last two sentences:

With the MHMD and PHMD discrete tolerances can be selected for each height limit. The Chief Judge decides which tolerances will be set when programming the airborne transmitters.

10.4.1.2 Last sentence:

When the MHMD or PHMD is in use, a computer should always be connected to the ground receiver in order to record the height data of all flights.

10.5.1.3 At the lower height limit, a penalty of 70 points is given for every figure flown, during or before which the 200 m signal is received. If in the same figure there are multiple beeps, only one penalty will be applied.

10.5.1.4 If the 100 m signal is received during or before a figure, the competitor will be disqualified.

Further editorial changes to remove ambiguities and contradictions

Drawing of lots:

Insert after the first sentence of para 4.1.8.2:

"If the number of competitors is not a complete multiple of three, the highest ranking group will be enlarged to include the excess pilots."

4.1.8.2 c) change the first sentence to read:

"In case of deterioration of meteorological conditions, the International Jury may authorise the Contest Director to cut the 3rd and, if necessary, the 2nd group in order to validate a programme already begun."

Section 9

1. Full rolls 45° up are not allowed neither in Advanced nor in Unlimited Unknown Programmes. All full roll symbols on 45° uplines should be removed.
2. Figure 1.16.1 shows an optional roll symbol on the vertical upline in red. This is not allowed in Advanced.
3. Figures 2.1.1 and 2.1.2 should be marked "A" and shown in red. They are legal for Advanced Unknowns.
4. Figure 2.3.1 is marked "A" and shown in red. This figure is allowed in Advanced Free Programmes but not in Advanced Unknowns.

All Proposals of the GASC adopted

5. SAFETY AND EXPEDITED PROPOSALS

SP # 1:

Source: Germany

Document: Section 6, Part 2

Subject: List of Figures for Unknown Programmes

The following changes should be made to the list of Advanced figures in section 9 for the contest season 2012:

1. Delete figures 8.13.2 and 8.14.2.
2. Delete the optional roll symbol in the top of figure 8.33.1.
3. Delete figures 8.46.1 and 8.46.4.
4. Delete the full aileron roll 45° down (9.1.4.4).

Proposal adopted

SP # 2:

Source: Germany

Document: Section 6, Part 2

Subject: Rough Flying

- a) There was a tendency by some judges to reward rough flying with high scores.
- b) This is against the character of glider aerobatics. The judging criteria in section 6 specify clearly that this style must not be encouraged by the judges.

- c) In future judges' seminars for glider competitions, rules 6.7.1.7, 6.7.1.16, 6.8.20.3 and 6.8.21.2 should be specifically discussed.

Referred to JSC and GASC for consideration and discussion in 2012.

EP #1:

Source: Canada

Document: Section 6, Part 1

Subject: Free Unknowns

- 4.3.4.6. c) At least 12 hours before the commencement of each Programme, each competitor will notify the Organiser which of the *alternative proposals* he/she will fly.

Change the *blue* text to “ ... *proposed sequences* ... ”

Proposal adopted

EP # 3:

Source: WGAC/WAGAC Jury President

Document: Section 6, Part 2

Subject: Team Medals

Team medals it should be clearly stated in the rules what is the minimum complete team to award team medals; as the rules are now it is only stated the minimum number of participating countries to have a valid championship but nothing about the minimum number of complete teams, i.e. if there is only 2 complete teams they can receive the gold and silver medals.

The number is set to a minimum of 4 complete (at least 3 members) teams

Proposal adopted

EP # 5:

Source: EAAC Chief Judge

Document: Section 6, Part 1

Subject: Communication radios

A professional standard of PMR is required for this safety critical duty, such as the Motorola-GP340 series; domestic walkie-talkies be avoided as they are simply not adequate for this duty. Section 6 should also reflect the importance of this safety-critical requirement.

Proposal adopted

Such details can be covered in the Contest Organisation Handbook

EP # 6:

Source: EAAC Chief Judge

Document: Section 6, Part 1

Subject: Video recording and review equipment

To quote from the Report:

I strongly recommend that CIVA takes advice from a suitable professional in this regime and re-write 5.1.6.3 to define the minimum standard of tripod, camera and replay equipment that is acceptable for championship use.

Proposal adopted and will be included in the Contest Organisation Handbook

EP # 7:

Source: France

Document: Section 6, Part 1

Subject: Fair and Equal Treatment

In chapter 1, add a rule that says:

"Fairness and equal treatment shall be ensured by all stakeholders in all CIVA activities and competitions, from registration to final results"

In chapter 1 or 4 (where it fits best), add a rule that says:

"The organizers shall ensure that in the seven days prior to the competition, all teams/pilots are given fair access to practice on the competition site (depending on site availability) -- i.e. no preferential treatment / discrimination shall take place. To be considered, teams wishing to practice on the competition site shall give notice to the organizers by a deadline to be announced in the competition Bulletins."

Proposal adopted

6. NORMAL PROPOSALS

These proposals were submitted after Championships this year and were categorized as « Normal » proposals by the President.

NP #1:

Source: Germany

Document: Section 6, Part 1

Subject: Programme Q

Delete Programme Q and shorten the contest by two days.

Affected rules: 1.2.1.1 a), 1.2.1.2 a), 1.3.1.1 a) ... and others.

CIVA President's Note: Referred to Rules Sub-Committee for consideration in 2012.

NP # 2:

Source: Germany

Document: Section 6, Part 1

Subject: Mandatory Cuts

Affected rules: 4.3.1.1 (d), 4.1.7.2 and 4.1.7.3 ... may be more.

CIVA President's Note: Referred to Rules Sub-Committee for consideration in 2012.

NP # 3:

Source: WGAC/WAGAC Jury President

Document: Section 6, Part 2

Subject: Tow Planes

CIVA President's Note: Referred to Glider Aerobatics Sub-Committee for consideration in 2012.

NP # 4:

Source: WGAC/WAGAC Jury President

Document: Section 6, Part 2

Subject: Line Judges

CIVA President's Note: Referred to Glider Aerobatics Sub-Committee for consideration in 2012.

NP # 6:

Source: EAAC Chief Judge

Document: Section 6, Part 1

Subject: Line length between rolls and half-loops

CIVA President's Note: Referred to Judging Sub-Committee for consideration in 2012.

NP # 7:

Source: EAAC Chief Judge

Document: Section 6, Part 1

Subject: Line length between unlinked roll elements

CIVA President's Note: Referred to Judging Sub-Committee for consideration in 2012.

NP # 8:

Source: Italy

Document: Section 6, Part 1

Subject: Mandatory Cuts

CIVA President's Note: Referred to Rules Sub-Committee for consideration in 2012.

NP #9

Source: Switzerland

Document: Section 6, Part 1

Subject: Sequence of Flights (Drawings of lots) 4.1.7.

CIVA President's Note: Referred to Rules Sub-Committee for consideration in 2012.

NP # 10:

Source: Switzerland

Document: Section 6, Part 1

Subject: The 60% Rule

CIVA President's Note: Referred to Rules and Judging Sub-Committees for joint consideration in 2012.

NP #11:

Source: Italy

Document: Section 6, Part 1

Subject: The 60% Rule

CIVA President's Note: Referred to Rules and Judging Sub-Committees for joint consideration in 2012.

NP #12:

Source: CIVA President

Document: Section 6, Part 1 and 2, para 2.1.3.2 (a)

Subject: Currency Requirements for Judges

CIVA President's Note: Referred to Rules and Judging Sub-Committees for joint consideration in 2012.

7. FUTURE FAI AEROBATIC CHAMPIONSHIPS – SELECTION OF ORGANIZERS

2012

- The World Advanced Aerobatic Championships will be held in Nyireghaza, Hungary (26.07.-05.08)
- The European Aerobatic Championships will be held in Dubnica, Slovakia (01.09-09.09)
- The WGAC and the WAGAC will be held in Dubnica, Slovakia (09.08- 18.08)
- The World YAK 52 Aerobatic Championships will be held in Serpukhov, Russia (20.06-30.06)

2013

- The World Aerobatic Championships will be held in Jean (Las Vegas), Nevada, USA (09.10-20.10)
- The WGAC and the WAGAC will be held in Turku, Finland (18.07-28.07)

8. LIST OF INTERNATIONAL JUDGES

Additions and deletions to the List were accepted from Delegates. See the CIVA website for an updated List (2011-2012).

9. THE LEON BIANCOTTO DIPLOMA

The Leon Biancotto Diploma 2011 has been awarded to José-Luis Aresti Aguirre. The Diploma will be presented at the 2012 FAI General Conference.

10. DATE AND PLACE OF NEXT MEETING

Authority for the selection of the date and place of the next meeting was given to the Bureau of CIVA.

*Madelyne Delcroix, Secretary
22 November 2011*