



*Fédération
Aéronautique
Internationale*

FAI Aerobatics Commission (CIVA)

SUMMARY OF CONCLUSIONS of the 2017 plenary meeting

held in Aix-en-Provence, France on the
4th and 5th November 2017
at Best Western hôtel le Galice, Aix-en-Provence

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Issue 1.1 – 13th November 2017

1. CIVA Presidents introductory remarks

President

Nick BUCKENHAM CIVA President

CIVA Bureau Members :

Matthieu ROULET Vice President

Philippe KÜCHLER Vice President

Castor FANTOBA Vice President

Tamás ABRANYI Vice President

Jürgen LEUKEFELD Treasurer

Hanna RÄIHÄ Secretary

Zuzana DANIHELOVÁ Secretary

Plenary approved the second version of the agenda.

2. In memoriam

A moment of silence was held to remember our friends and colleagues who passed away in 2016 and 2017:

Alfred "Fred" Korman, SUI, 12/2016

Jiří "Sally" Saller, CZE, 2/2017

Margo Chase, USA, 7/2017

Miroslav Porubčan, SVK, 9/2017

3. Meeting Introduction

3.1. Roll Call of Delegations

Present: Argentina, Austria, Brazil, Canada, Czech Republic, Finland, France, Germany, Hungary, Italy, Lithuania, Poland, Portugal, Romania, Russia, Slovakia, Republic of South Africa, Spain, Sweden, Switzerland, Turkey, United Kingdom

7 proxies were tabled:

USA	to	Canada
Japan	to	Poland
Denmark	to	Sweden
Norway	to	Finland
Australia	to	United Kingdom
Ireland	to	Spain
Ukraine	to	Lithuania

Apologies for absences: None

TOTAL VOTES: 29 Simple majority 15 2/3 majority 20

3.2. Minutes of the 2016 Meeting

The Delegates approved unanimously the Minutes of the 2016 Meeting

3.3. Declaration of Conflicts

No declaration of conflicts.

4. Report from the President of CIVA – Nick Buckenham

Nick Buckenham presented his report.

5. Report from the FAI Representative

Visa-Matti Leinikki, FAI IT Manager, presented his report.

6. CIVA Working Group Reports

- 6.1. **FPS Working Group (Nick BUCKENHAM)**
- 6.2. **Contest Organisation Working Group (Nick BUCKENHAM)**
- 6.3. **Strategic Working Group (Nick BUCKENHAM)**
- 6.4. **Known Assessment Working Group (Alan CASSIDY)**

Reports approved by CIVA

7. Report on CIVA Finances 2016 – 2017

Jürgen LEUKEFELD, CIVA treasurer reported on:

- 7.1. **2017 Financial Results**
- 7.2. **2018 CIVA Travel Allowance Programme**
- 7.3. **2018 Budget**

Reports approved by CIVA

8. Reports on the 2017 Championships

8.1. **Reports on the 1st FAI Formation Aerobatic Challenge 2017, Zhengzhou, China**

- President of the International Jury (Nick BUCKENHAM)
- Chief Judge (John GAILLARD)

Reports approved by CIVA

8.2. **Reports on the 5th FAI World YAK-52 Championships 2017 (Tula, Russia)**

- President of the International Jury (Jürgen LEUKEFELD)
- Contest Director (Dmitry MOTIN)
- Chief Judge (Vladimír MACHULA)

Reports approved by CIVA

8.3. **Reports on the World Games 2017 (Wrocław, Poland)**

- Contest Director (Philippe KÜCHLER)
- Chief Judge (Bernard COURTOIS)

Reports approved by CIVA

8.4. Reports on the 20th FAI World Glider Aerobatic Championships and the 8th World Advanced Glider Aerobatic Championships 2017 (Torun, Poland)

- President of the International Jury (Manfred ECHTER)
- Contest Director (Jerzy MAKULA)
- Chief Judge (Philippe KÜCHLER)
Reports approved by CIVA

8.5. Reports on the 10th FAI European Advanced Aerobatic Championships 2017 (Chotěboř, Czech Republic)

- President of the International Jury (Philippe KÜCHLER)
- Contest Director (Vladimír MACHULA)
- Chief Judge (Nick BUCKENHAM)
Reports approved by CIVA

8.6. Reports on the 29th FAI World Aerobatic Championships 2017 (Malelane, Republic of South Africa)

- President of the International Jury (Alan CASSIDY)
Report rejected by CIVA
- Contest Director (John GAILLARD)
Report approved by CIVA
- Chief Judge (Nick BUCKENHAM)
Report approved by CIVA

9. Reports of other Working Groups established in 2016

- Matthieu ROULET – Scoring System Revision
- Castor FANTOBA – Aircraft Manufacturer Championship
- Castor FANTOBA – Private and Commercial Teams

10. CIVA Committee Reports & Proposed Rules Changes

10.1. Report of the CIVA Rules Committee (Matthieu ROULET)

Report of the CIVA Rules committee by Matthieu ROULET

NP#2018-2:

Source: FRA #1

Document: Section 6 Part 1

Subject: Signalling Procedures when start in inverted flight

IN FAVOUR: 11 AGAINST: 18 ABSTAIN: 0

CIVA REJECTED

NP#2018-5:

Source: RUS #1

Document: Section 6 Part 1

Subject: Box Marks: Arrow Signs

IN FAVOUR: 25 AGAINST: 4 ABSTAIN: 0

CIVA AGREED

10.2. Report of the CIVA Judging Committee (John GAILLARD)

Report approved by CIVA

10.3. Report of the CIVA Catalogue Committee (Manfred ECHTER)

NP #2018-4

Source: Norway #1

Document: Aresti Catalogue; Power and Glider Versions

Subject: Optional roll elements in P-Loops

IN FAVOUR: 29 AGAINST: 0 ABSTAIN: 0

CIVA AGREED

10.4. Report of the CIVA Glider Aerobatics Committee (Manfred ECHTER)

NP 2018-3

Source: Germany #1

Document: Section 6, Part 3

Subject: Height limits for "classic" programmes

CIVA agreed by acclamation

Subject: Low Passes

CIVA agreed by acclamation

Relative Weight of "classic" programmes vs. Freestyle

IN FAVOUR: 15 AGAINST: 8 ABSTAIN: 6

CIVA AGREED

10.5. Report of the CIVA ICTC Working Group (Vladimir MACHULA)

Report approved by CIVA

10.6. Safety and Expedited Proposals (SP & EP) from 2017 Championships (Delegates & Contest Officials)

#1: Revision to rules for the Programme-4 "Cut"

Change the wording for Rule 2.1.2.2.

For Programme 4, if there may be insufficient time to complete the championships due to the weather problems or unforeseen circumstances, the IJ is authorised to introduce a cut, without respect to gender, of up to 50% of the eligible competitors, based on the combined standings after Programme 3. If, subsequently, time is available for more flights, competitors from the cut group may be added to Programme 4 in the order of their ranking from the combined results of Programmes 1 to 3, highest first. All flights made in Programme 4 through this mechanism will be considered valid in the final results for the contest.

This will make it possible for the Jury to authorise a complete set of results including all those actually flown in programme-4 even if not all of the 'cut' competitors are eventually able to fly.

Proposal withdrawn, will be re-submitted for the next year's RC meeting.

#2: Clarification of Championship day-1 arrangements

Revision of the para 1.4.4.1.

At the World Championships, the Organiser will provide adequate accommodation and food for the duration of the event, **including the day specified for the initial General Briefing**, to all members of official teams, solo competitors, officials and other assistants for whom entry fees have been paid, on the understanding that no extra charges will be imposed for these services. In addition, airfield charges will be covered for those persons for whom the entry fees have been paid.

CIVA agreed by acclamation

#3: Revision to wind measurement altitudes

Change the level at which the wind speed and direction are measured from 500m to 300m and 600m.

CIVA agreed by acclamation

#4: Removal of the density altitude limitation for Advanced power

Change para 3.6.2.6. to: In "Y52 / I" the maximum permitted density altitude, measured at the surface, for sequences to be flown without interruption is 3,000 feet.

IN FAVOUR: 21 AGAINST: 7 ABSTAIN: 1

CIVA AGREED

#5: Rewording of Missed Slot penalty

Change Section 6 Part 1 para 4.3.1.1. to: A penalty of 250 points (200 points in A and Y52 / I) will be awarded to a pilot who, without reasonable cause, is not ready when their slot time arrives **or causes an unreasonable delay between the time of the slot and the start of their flight.**

IN FAVOUR: 26 AGAINST: 0 ABSTAIN: 3

CIVA AGREED

#6: Reduce the number of on-site jury members to 2 or even 1 (the president of the IJ)

The remaining members should be available by phone or video messaging for conferencing in case of need. 2 on site are enough and could also take, most of the time, decisions as a majority.

Proposal withdrawn

#7: Set the Chief Judge to scoring and reduce the number of minimum judges by one

Our CJ's are all experienced judges and their knowledge could be very welcome to be used in the regular scoring.

Proposal withdrawn

#8: Rework the judging criteria for rolling turns. This item should be forwarded to the Rules Committee.

Judging of rolling turns is a difficult and discussion provoking task. The main problem is the remaining roll at the end of the turn.

The Judging Committee will deal with it and report to the RC to decide.

#9 Clarify pilot options regarding the unexpected presence of an obstacle in the box

Revise the para 1.2.8.5. to:

Any competitor required to **delay the commencement of or** interrupt a competition flight due to danger of collision with conflicting air traffic or a bird, should be treated in the same manner as if a mechanical defect (para 3.11) had taken place. If the pilot is required to orbit to avoid as such hazard, the Chief Judge will allow additional time if required.

CIVA AGREED by acclamation

#10: Electronic Pilot Aids

Add new sub-para 3.6.1.3 c) to Section 6 Part 2:

If electronic device(s) are installed in a glider the use of which may be considered unfair under the above rules, the competitors must declare this to the IJ before the start of the contest. The device(s) must be made unusable for the duration of the contest. This must be verified by the Technical Commission.

CIVA AGREED by acclamation

#11: Revision to Section 6 Part 1 – Programme 1 versatility requirements

The versatility shown for Family 2 has been found to be error as a result of a UK proposal approved at the 2012 CIVA Plenary to Family 2. To correct this unintentional oversight, it is therefore urgently proposed that the Family 2 versatility under rule 2.2.1.8 be corrected for 2018.

CIVA AGREED by acclamation

#12 Addition of a maximum operating temperature paragraph to Section 6

Tamás Ábrányi will develop the issue. If presented to the Bureau within 60 days a decision for implementation in 2018 will be made, otherwise it will be dealt with at the next year's RC meeting.

#13: Make giving the reason for all zeros (0.0, PZ and HZ) mandatory

The reason for a numeric zero (0.0) has the same importance to be stated, mainly because of paragraph 4.4.6.2 on Section 6 Part 1 (similarly 4.5.6.2 in Part 2). Not having a written reason on the score sheet of the judge who has given a numeric zero (0.0) makes it difficult to apply 4.4.6.2 (or 4.5.6.2) on a fair and transparent basis, not only during a video session of the judges but also in an explanatory task to a pilot.

CIVA AGREED by acclamation

10.7. President's Proposals 2017 (Nick BUCKENHAM)

#1: Review of Part-1 Final Freestyle Regulations

Judging of the Programme-5 Final Freestyle and completion of the paperwork is a lengthy process. When this is complete all the grades must be transferred to each competitor's individual marks sheet, a further time-consuming process.

A working group of selected judges, unlimited competitors and CIVA officers will be established to review all aspects of the Final Freestyle regulations, including the inclusion of music as an optional element, to report back to the 2018 plenary with a revised format that will accomplish the above aims.

CIVA AGREED by acclamation

#2: Chief Judge improved option to refer HZ and other panel disagreements to the Jury

Proposal: Part-1 para 4.4.4.4.a) should be amended to give the Chief Judge broader latitude to refer such situations to the International Jury, as follows:

a) The CJ may on occasions, where there is a mixture of scores and Hard Zeroes for a figure, not able to determine the validity of Hard Zero **or other** score(s), due **either** to uncertainty in the Regulations (e.g. paperwork errors) **or to unwillingness of one or more judges to accept that their mark may be incorrect even though the video indicates the validity of an opposing view**. In such instances the CJ shall tick the CHZ box and then refer the matter to the International Jury for clarification and a final decision.

This will become a separate proposal to be dealt with in the JC&RC mid-year meeting.

#3: Clarification of KAWAG and GAC Free Known responsibilities

To ensure that a good range of sets of suitable figures is available to plenary for the final selection process, an amending text should be published as an official statement of the authority vested by CIVA in the two bodies in charge of the process.

CIVA AGREED by acclamation

#4: Clarification of Organiser responsibilities to check Free Unknown Sequences

Part 1 para 2.3.1.5 should be revised.

Proposal withdrawn

#5: Addition of 'Check Lists' to Section 6 (all parts)

To simplify the recognition of all key aspects of the organiser's duties, Check Lists should be included as an appendix to each Section 6 part to identify all essential and critical items and processes that the organiser must manage successfully in the execution of the event.

It will go to Bureau as action.

#6: Add 'electric' power to Section 6 part 1 para 1.2.3.1.

Proposal: Section 6 part 1 para 1.2.3.1 should be revised to become:

1.2.3.1 World and Continental Championships are ~~at present~~ open to piston-engine **and electric powered** aircraft ~~only~~.

CIVA AGREED by acclamation

#7: Revision to the "Average" mark calculation

When a judge gives an AV the scoring system should substitute a raw grade which is the numeric average of the other judges' marks (excluding AV's), with HZ's and PZ's evaluated as numeric zeros, corrected to the nearest half-mark. This would be similarly impartial to the competitor but at the same time ensure that the judge receives an unknown grade which might not be what they wish for, potentially with an influence on their RI.

CIVA AGREED by acclamation

#8: Establish a Task Force to research the prospects for CIVA commercial aerobatic events

CIVA should establish a new Task Force dedicated to developing a working structure for the above public events, with the title "Media / Commercial Task Force".

CIVA AGREED by acclamation

11. CIVA Free Known programme figure selections for 2017 (see page 14)

Power Unlimited Free Known Programme

Proposal 1 selected

Power Advanced Free Known Programme

Proposal 4 selected

Yak 52 and Intermediate Free Known Programme

Proposal 1 selected

Advanced Glider Free Known Programme

Proposal 3 selected

Unlimited Glider Free Known Programme

Proposal 2 selected

12. Future FAI Aerobatic Championships

12.1. Report of the 13th FAI World Advanced Aerobatic Championships 2018 (Strejnic, Romania)

Location:		Strejnic Airfield, Romania
Dates:	Training days:	11.-15.8.2018
Contest days:		16.-26.8.2018
Entry fees:	Competitors	1700€ in double room
	Other team members	1450€ in double room
Judges:		7 teams + CJ team (the additional night covered)

No objection, bid approved by CIVA

The Danubia Power Cup will be organised circa one month before.

12.2. Report of the 21st FAI World Glider Aerobatic Championships and 9th FAI World Advanced Glider Aerobatic Championships 2018 (Zbraslavice, Czech Republic)

Location:	Zbraslavice, Czech Republic
Dates:	Training days: 25.7. – 1.8.2018
	Contest days: 2.-12.8.2018 (opening briefing 1.8.2018)
Entry fees:	Competitors 750 EUR
	Other team members 350 EUR
Judges:	7 judges +CJ
Contest Director:	Vladimír Machula

No objection, bid approved by CIVA

The Danubia Glider Cup will be organised circa one month before.

12.3. 22nd FAI World Glider Aerobatic Championships and the 10th World Advanced Glider Aerobatic Championships 2019 (Deva, Romania)

Location:	Deva, Romania
Dates:	Training days:
	Contest days: 18.-28.7.2019
Entry fees:	Competitors 700 EUR
	Other team members 250 EUR
Towing:	65EUR (1250m), 50EUR (800m)
Judges:	7+CJ

No objection, bid approved by CIVA

12.4. 2nd FAI World Intermediate Aerobatic Championships

NO BIDS

12.5. 21st FAI European Championships

BID

Location:	Trenčín (SVK) / Jindřichův Hradec (CZE)
Dates:	Training dates: 5 days prior to contest (3.-7.9.2018)
	Contest dates: 8.-15.9.2018 (opening briefing 7.9.2018)
Entry fees:	Competitors: 1800 EUR double room / 2000 EUR single room
	Other team members: 1500 / 1700
	Late payment 5 weeks prior to contest
Judges	7 teams + CJ
Contest director	Vladimir Machula

BID APPROVED BY CIVA

Note: The bureau of CIVA has subsequently been advised that the location to be used for this event will be Jindřichův Hradec airfield (LKJH) in the Czech Republic and not Trenčín in Slovakia. All other aspects of the bid as approved at plenary remain valid.

12.6. Other future events (bids invited)

30th FAI World Aerobatic Championship

BID 1

Location:	Moravská Třebová (CZE)
Dates:	Training dates: 10.-15.8.2019

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Contest dates: 16.-24.8.2019 (opening briefing 15.8.2019)
Entry fees: Competitors: 1700 EUR double room / 1900 EUR single room
Other team members: 1400 / 1600
Late payment 5 weeks prior to contest + 200 EUR
Judges: 10 teams + CJ
Contest director: Vladimir Machula
Transport will be provided – rental cars.

BID 2

Location: Airfiled Drakino, Serpukhov, Moscov Region, Russia
Dates: Training dates: 16.-19.7.2019
Contest dates: 20.-29.7.2019
Entry fees: Competitors: 1700 EUR
Other team members: 1500 EUR
Late payment 6 weeks prior to contest + 200 EUR
Judges: 7 judges + CJ (possibility to accommodate 3 more)
Contest director: Dmitry Motin, Alexey Ivanov

BID 3

Location: Chateauroux (FRA)
Dates: Training dates:
Contest dates: 22.-31.8.2019 (opening briefing 21.8.2019)
Entry fees: Competitors: 2100 EUR
Other team members: 1800 / 1600
Late payment after 1 May + 200 EUR, very late after 1 July + 400 EUR
Judges: 7 + CJ (aiming to 10)
Contest director: Emmanuel Foulon

Required majority – 14 votes

CZE	11	
RUS	1	
FRA	14	Selected for 30 th WAC

23rd FAI World Glider Aerobatic Championships and the 11th FAI World Advanced Glider Aerobatic Championships and the 2020

BID 1

Location: Terni (ITA)
Dates: Training dates: from 1.7.2020
Contest dates: 27.7.2020 – 9.8.2020
Entry fees: Competitors: 750 EUR
Other team members: 300 EUR
Family members: free
Late payment after 1 May + 200 EUR, very late after 1 July + 400 EUR
Towing: 65EUR (1250)
Judges: aiming to 10 + CJ
Contest director

BID APPROVED BY CIVA

12.7. Reports from FAI Representative

Bids for future WAG: USA (Albuquerque), Malaysia, Turkey: FAI will select winner during November.

13. FAI Special Aerobatic Events (FSAE) for 2018

3rd Sky Grand Prix – Beirut, 30.6.2018 – 1.7.2018

Bid approved by CIVA

14. List of FAI International Aerobatic Judges

ARG	No change
AUS	No change
AUT	Add: Sandra Wechselberger
BRA	No change
CAN	No change
CZE	No change
FIN	No change
FRA	No change
GBR	No change
GER	No change
HUN	No change
IRL	No change
ITA	No change
JPN	No change
LTU	No change
NOR	No change
USA	No change
POL	No change
POR	No change
ROM	No change
RSA	Add: Johnie Smith
RUS	Remove: Sergei Dadykin
SPA	No change
SUI	No change
SVK	No change
SWE	No change
TUR	No change
UKR	Remove: Olga Romashova Add: Pavlo Bolshakov
USA	No change

15. Other Reports and Business

15.1. FAI/Aresti Committee Report 2017 (John GAILLARD)

15.2. Contest Scoring Programme Report 2017 (Nick BUCKENHAM)

15.3. Championship Organiser of the Year Trophy for 2017 (Nick BUCKENHAM)

- This trophy was awarded to the Organiser of the 20th World Glider Aerobatic Championships and 8th World Advanced Glider Aerobatic Championships – Jerzy Makula and his team from Poland

15.4. Leon Biancotto Diploma (Nick BUCKENHAM)

- The Leon Biancotto Diploma will be awarded to Madelyne Delcroix.

15.5. Replacement of the Strössenreuther Trophy (John GAILLARD)

- CIVA approved John Gaillard to continue assessment of financing for replacement of the trophy.

15.6. Ivan Tuček Floating Trophy for the EAAC Champion (Vladimír MACHULA)

- Vladimir Machula confirmed donation of this new trophy by the Czech Aero Club to CIVA, with several miniature replicas so that one will be retained by each winner.

15.7. Other Reports / Business

- CIVA received no further reports or business from the plenary.

16. CIVA elections for 2018

Note: 23 votes, simple majority: 12

President:

Nick BUCKENHAM, by acclamation, elected 2017 for 2018-2019

Vice Presidents:

Castor FANTOBA, elected 2016 for 2017-2018

Tamas ABRÁNYI, elected 2016 for 2017-2018

Matthieu ROULET, elected 2017 for 2018-2019

Phillipe KÜCHLER, elected 2017 for 2018-2019

Secretaries:

Hanna RÄIHÄ, elected 2016 for 2017-2018

Zuzana DANIHELOVÁ, by acclamation, elected 2017 for 2018-2019

Treasurer:

Flori DANCIULESCU, by acclamation, elected 2017 for 2018-2019

Rules Committee

Chairman: Matthieu ROULET, by acclamation

Members: Elena KLIMOVICH
Pierre VALOTEAUX
Nick BUCKENHAM
Philippe KÜCHLER
Vladimir MACHULA

Judging Committee:

Chairman: John GAILLARD

Members: Mikhail MAMISTOV
Pierre VARLOTEAUX
Philippe KÜCHLER
Nick BUCKENHAM
Vladimír MACHULA

Glider Aerobatic Committee

Chairman: Manfred ECHTER

Members: Philippe KÜCHLER
Madelyne DELCROIX
Ferenc TOTH
Jerzy MAKULA
Pekka HAVBRANDT

Catalogue Committee

Chairman: Manfred ECHTER
Members: Brian HOWARD
Anatoly BELOV
Pierre VARLOTEAUX
Madelyne DELCROIX
Pekka HAVBRANDT

ICT Committee

Chairman: Vladimír MACHULA
Members: Nick BUCKENHAM
Ringo MASSA
Bernhard DRUMMER
Philippe KÜCHLER
Peter ROUNCE

17. Appointment and Approval of Championships Officials

17.1. 13th FAI World Advanced Aerobatic Championships: Strejnic, Romania, 16th to 26th August 2018

President of the International Jury: Nick BUCKENHAM
Members of the International Jury: Madelyne DELCROIX
Elena KLIMOVICH
Chief Judge: John GAILLARD

17.2. 21st FAI European Aerobatic Championships – 8th to 15th September

President of the International Jury Pierre VARLOTEAUX
Members of the International Jury Jürgen LEUKEFELD
Elena KLIMOVICH
Chief Judge Nick BUCKENHAM

17.3. 21st FAI World Glider Aerobatic Championships and the 9th World Advanced Aerobatic Championships 2nd – 12th August 2018

President of the International Jury Manfred ECHTER
Members of the International Jury Madelyne DELCROIX
Jerzy MAKULA
Chief Judge Philippe KÜCHLER

18. Date and Place of Future Plenary Meeting

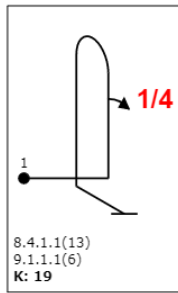
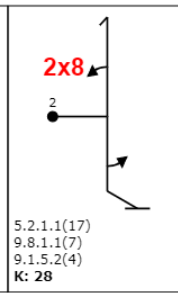
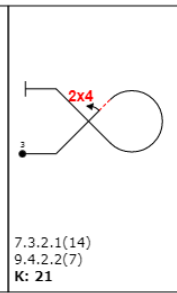
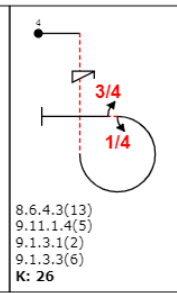
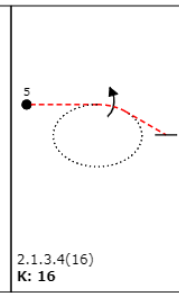
Place: Warsaw (POL)
Date: 10.-11.11.2018

Submitted for approval,
Hanna RÄIHÄ
Zuzana DANIHELOVÁ
Secretaries of CIVA

The "Known" figures specified by CIVA for Free Known programmes in 2018 are:

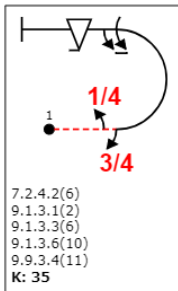
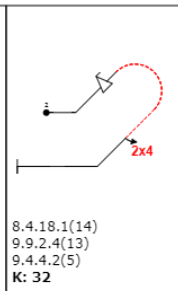
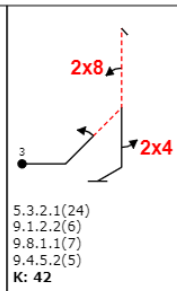
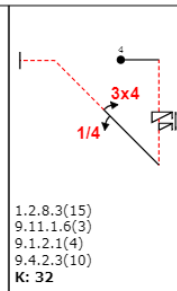
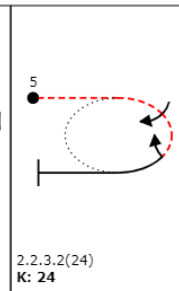
Intermediate power / Yak-52 category

Max total K allowed = 200

 8.4.1.1(13) 9.1.1.1(6) K: 19	 5.2.1.1(17) 9.8.1.1(7) 9.1.5.2(4) K: 28	 7.3.2.1(14) 9.4.2.2(7) K: 21	 8.6.4.3(13) 9.11.1.4(5) 9.1.3.1(2) 9.1.3.3(6) K: 26	 2.1.3.4(16) K: 16
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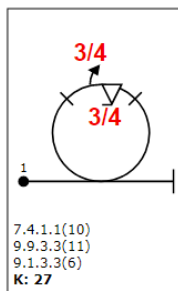
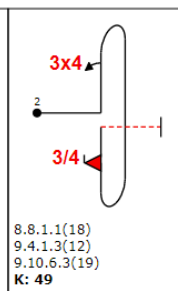
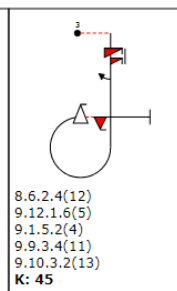
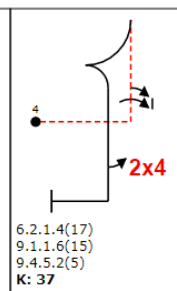
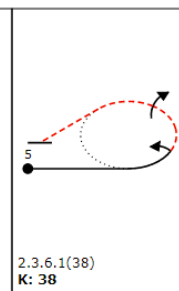
Advanced power category

Max total K allowed = 320

 7.2.4.2(6) 9.1.3.1(2) 9.1.3.3(6) 9.1.3.6(10) 9.9.3.4(11) K: 35	 8.4.18.1(14) 9.9.2.4(13) 9.4.4.2(5) K: 32	 5.3.2.1(24) 9.1.2.2(6) 9.8.1.1(7) 9.4.5.2(5) K: 42	 1.2.8.3(15) 9.11.1.6(3) 9.1.2.1(4) 9.4.2.3(10) K: 32	 2.2.3.2(24) K: 24
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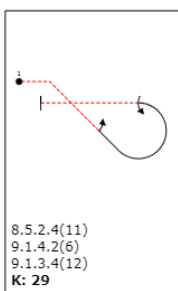
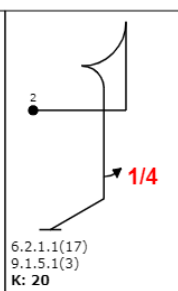
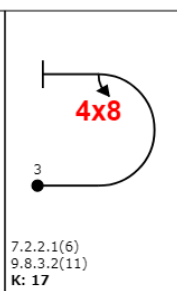
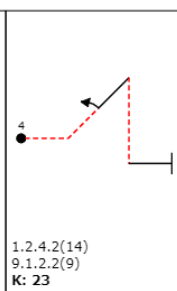
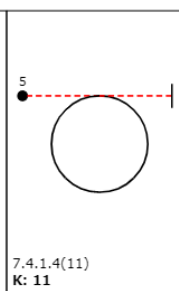
Unlimited power category

Max total K allowed = 450

 7.4.1.1(10) 9.9.3.3(11) 9.1.3.3(6) K: 27	 8.8.1.1(18) 9.4.1.3(12) 9.10.6.3(19) K: 49	 8.6.2.4(12) 9.12.1.6(5) 9.1.5.2(4) 9.9.3.4(11) 9.10.3.2(13) K: 45	 6.2.1.4(17) 9.1.1.6(15) 9.4.5.2(5) K: 37	 2.3.6.1(38) K: 38
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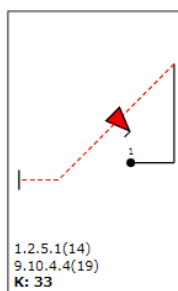
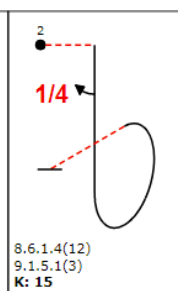
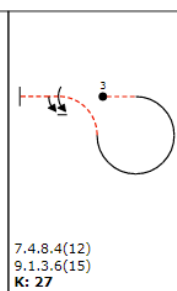
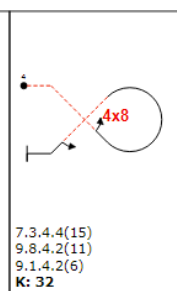
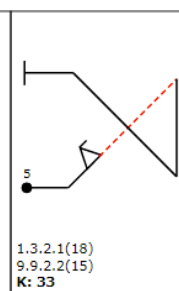
Advanced glider category

Max total K allowed = 175 §

 8.5.2.4(11) 9.1.4.2(6) 9.1.3.4(12) K: 29	 6.2.1.1(17) 9.1.5.1(3) K: 20	 7.2.2.1(6) 9.8.3.2(11) K: 17	 1.2.4.2(14) 9.1.2.2(9) K: 23	 7.4.1.4(11) K: 11
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Unlimited glider category

Max total K allowed = 230 §

 1.2.5.1(14) 9.10.4.4(19) K: 33	 8.6.1.4(12) 9.1.5.1(3) K: 15	 7.4.8.4(12) 9.1.3.6(15) K: 27	 7.3.4.4(15) 9.8.4.2(11) 9.1.4.2(6) K: 32	 1.3.2.1(18) 9.9.2.2(15) K: 33
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Post-plenary edit:

The bureau noted that the selected Unlimited power figures contained a duplication of 2x4 (9.4.5.2.) vertical down roll. To meet the requirements of Section 6 Part 1 para 2.2.1.7 therefore a half roll (9.1.5.2) has been substituted in figure #3 in place of the 2x4 roll.

Competitors should also note that as figure #5 (2.3.6.1) is a mandatory item, unlimited Free Known sequences must include a further rolling turn in order to meet versatility requirements per Section 6 Part 1 para 2.2.1.8