



# FAI Sporting Code

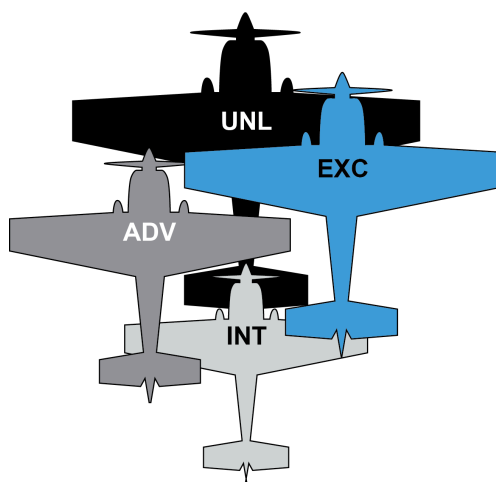
*Fédération  
Aéronautique  
Internationale*

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## Regulations for the Conduct of International Aerobatic Events

### OPEN EXCELLENCE AEROBATIC CHALLENGE

(OEAC)  
Cat II Events



*Maison du Sport International  
Av. de Rhodanie 54  
CH-1007 Lausanne  
(Switzerland)  
Tél. +41 (0)21 345 1070  
Fax +41 (0)21 345 1077  
E-mail: [sec@fai.org](mailto:sec@fai.org)  
Web: [www.fai.org](http://www.fai.org)*

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**FEDERATION AERONAUTIQUE INTERNATIONALE**  
**MSI - Avenue de Rhodanie 54 – CH-1007 Lausanne – Switzerland**  
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|-----|--|--|
| 1.  | FAI Statutes, .....                    | Chapter 1, ..... para. 1.6                           |
| 2.  | FAI Sporting Code, Gen. Section, ..... | Chapter 4, ..... para 4.1.2                          |
| 3.  | FAI Statutes, .....                    | Chapter 1, ..... para 1.8.1                          |
| 4.  | FAI Statutes, .....                    | Chapter 2, ..... para 2.1.1; 2.4.2; 2.5.2 and 2.7.2  |
| 5.  | FAI By-Laws, .....                     | Chapter 1, ..... para 1.2.1                          |
| 6.  | FAI Statutes, .....                    | Chapter 2, ..... para 2.4.2.2.5                      |
| 7.  | FAI By-Laws, .....                     | Chapter 1, ..... paras 1.2.2 to 1.2.5                |
| 8.  | FAI Statutes, .....                    | Chapter 5, ..... paras 5.1.1, 5.2, 5.2.3 and 5.2.3.3 |
| 9.  | FAI Sporting Code, Gen. Section, ..... | Chapter 4, ..... para 4.1.5                          |
| 10. | FAI Sporting Code, Gen. Section, ..... | Chapter 2, ..... para 2.2.                           |
| 11. | FAI Statutes, .....                    | Chapter 5, ..... para 5.2.3.3.7                      |
| 12. | FAI Statutes, .....                    | Chapter 6, ..... para 6.1.2.1.3                      |



Sporting Code  
**Open Excellence Aerobatic Challenge (OEAC)**  
Cat II Events

**Version 2024-1**

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## SUMMARY OF MAIN DIFFERENCES BETWEEN CATEGORIES

TOPIC	INT	ADV	EXC	UNL
Prog #1	Free Known	Free Known	<b>Known</b>	Free Known
Prog #2	Free Unknown	Free Unknown	<b>Unknown</b>	Free Unknown
Prog #3	Free Unknown	Free Unknown	<b>Unknown</b>	Free Unknown
Prog #4	Free Unknown	Free Unknown	-	Free Unknown
Prog #5	-	-	-	Freestyle
Total K-factor Limits for Free Known / Known	200K	320K	<b>350K</b>	450K
Total K-factor Limits for Free Unknown / Unknown	Yes	Yes	<b>350K</b>	No
K-factor Limits per Figure for UnKnown	Yes	Yes	<b>No</b>	No
Penalties	FAI Sporting Code, Section 6 Part 1	FAI Sporting Code, Section 6 Part 1	<b>Same as for UNL</b>	FAI Sporting Code, Section 6 Part 1
Lower Height Limits	200m	200m	<b>150m</b>	100m
Disqualification Height	100m	100m	<b>75m</b>	50m
Flick Rolls for Free Unknown / Unknown	FAI Sporting Code, Section 6 Part 1	FAI Sporting Code, Section 6 Part 1	<b>Flick Rolls ↑ (+/-) allowed 5 Flick Rolls max 2 pos min 2 neg min 1 Flick Roll ↑ min 2 Flick Rolls ↑ max</b>	FAI Sporting Code, Section 6 Part 1





## **GENERAL RULES FOR EXCELLENCE CATEGORY (CAT II EVENTS)**

### **1.1. Aims of Excellence Level**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.1.

### **1.2. General Regulations**

#### **1.2.1. Contest Scopes**

1.2.1.1. Excellence is a level between Advanced and Unlimited Categories. It may facilitate decision-making concerning:

- Assessment of the readiness to upgrade from ADV to UNL via testing Pilot's current skills and abilities;
- Acquisition of skills and abilities necessary to upgrade to UNL Category;
- Participation in a Cat II Event with the advantages of a Cat I Organisation and with the presence of International Judges.

1.2.1.2. The Category improves overall safety due to the fact that a Pilot may take the opportunity to get used to higher Gs progressively and practise more difficult Rolls, Flicks and Spins Combinations to improve their skills.

1.2.1.3. The Category is already available with the OpenAero software, and is supported by ACRO.

#### **1.2.2. Contest Categories**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.2.

#### **1.2.3. Aircraft Restrictions**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.3.

#### **1.2.4. Competitors Eligibility Restrictions**

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.4. NOT APPLICABLE

#### **1.2.5. Minimum / Maximum Number of Competitors**

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.5. NOT APPLICABLE

#### **1.2.6. Competitors and Team Composition**

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.6. NOT APPLICABLE

#### **1.2.7. Aircraft Documentation**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.7.

#### **1.2.8. Air Safety**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.8.



**1.2.9. Insurance**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.9.

**1.2.10. Internal Communications**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.2.10.

**1.3. Contest Bodies**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.3.

**1.4. Administrative Arrangements**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.4.

**1.5. Final Regulations**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 1.5

**2. PROGRAMMES OF WORLD AND CONTINENTAL CHAMPIONSHIPS**

**2.1. Flight Programmes Schedule**

At World and Continental Championships, the following Competition Flights will be scheduled for the Excellence Cat II Events:

**2.1.1. Flight Programmes List**

- Programme 1: Known Programme;
- Programme 2: Unknown Programme;
- Programme 3: Unknown Programme.

**2.1.2. General Regulations on Flight Programmes Schedule**

2.1.2.1. After the Known Programme (Programme 1), no Pilot shall continue in the Competition unless the Pilot is, in the judgement of the International Jury and Board of Judges, capable of safely flying the remaining Programmes. Any Pilot disqualified under this rule is so informed by the International Jury before the start of Programme 2.

2.1.2.2.

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.1.2.2. NOT APPLICABLE

2.1.2.3.

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.1.2.3. NOT APPLICABLE

2.1.2.4.

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.1.2.4. NOT APPLICABLE



## **2.2. Programme 1 – The Known Programme**

2.2.1.1. Two Known Programmes are available with Bulletin 1, and no later than 6 months before the Contest. One Known Programme is selected for the Competition via Drawing of Lots at the General Briefing.

2.2.1.2. The Known Programmes must be designed in such a way as to enable Competitors to fly all Figures safely in the Aircraft available to them, provided that the Aircraft meet the requirements of typical technical standards.

2.2.1.3.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.3. NOT APPLICABLE

2.2.1.4. The Total Difficulty Coefficient of the Known Sequences is 350K.

2.2.1.5.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.5.

2.2.1.6.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.6.

2.2.1.7. Repetition of Lines and Rotations is allowed.

2.2.1.8. No versatility is required.

2.2.1.9.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.9. NOT APPLICABLE

2.2.1.10.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.10. NOT APPLICABLE

2.2.1.11.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.11. NOT APPLICABLE

2.2.1.12.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.12.

2.2.1.13.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.13. NOT APPLICABLE

2.2.1.14.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.14.

2.2.1.15.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.2.1.15. NOT APPLICABLE

## **2.3. Programmes 2, 3 - The Unknown Programmes**

2.3.1.1. One Unknown Programme is designed for Programme 2, and one Unknown Programme is designed for Programme 3, under the responsibility of the Contest Director. Repetition of



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Cat II Events

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Lines and Rotations between Programmes 1, 2 and 3 are allowed. No minimum or maximum K-factor per Figure is determined. The Total Difficulty Coefficient of the Unknown Sequences is 350K.

2.3.1.2.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.3.1.2. NOT APPLICABLE

2.3.1.3.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.3.1.3. NOT APPLICABLE

2.3.1.4.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.3.1.4. NOT APPLICABLE

2.3.1.5.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.3.1.5. NOT APPLICABLE

2.3.1.6.

✘ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.3.1.6. NOT APPLICABLE

2.3.1.7. Training for the Unknown Programmes is not permitted. Competitors violating the regulation will be disqualified.

2.3.1.8. Limitations:

- 5 Flick Rolls maximum;
- 2 positive Flick Rolls minimum;
- 2 negative Flick Rolls minimum;
- 1 vertical Flick Roll minimum;
- 2 vertical Flick Rolls maximum.

2.3.1.9. Additional rules:

- *Family 1*: Figures 1.1.10.4 and 1.1.11.4 are not allowed;
- *Family 2*: Addition of the Rolling Circles from Appendix A.

*Flick Rolls:*

- Flick Rolls on Figures 7.4.1.2, and 7.4.2.2. are not allowed;
- In case the downlines of Figures from 8.4.1 to 8.4.4 columns 3 and 4 contain a Spin, no Flick Rolls on the upward lines are allowed, and the only upward aileron rolls allowed are on Figures from 9.1.1.1 to 9.1.1.4 and on 9.4.1.2.;
- No upward Flick Rolls on Figures 8.6.5 and 8.6.6 columns 3 and 4 are allowed;
- Flick Roll 9.10.8.2 is allowed on Figures 7.2.2.1, 7.2.4.2, 8.5.3.3, 8.5.4.4, 8.6.2.4 and 8.6.4.3. Only.

*Rotations :*

- Rotations on Figures 7.4.1.3, 7.4.1.4, 7.4.5.4. are not allowed;
- Downward Rotations on Figures 1.1.6.4, 1.1.7.3, 1.2.5.3, 1.2.6.4, 1.2.7.3 and 1.2.8.4 are controlled only and limited to 9.1.5.2 and on Figures 1.1.6.3, 1.1.7.4, 1.2.5.4, 1.2.6.3, 1.2.7.4 and 1.2.8.3 are Aileron Rolls only and limited to 9.1.5.3.;



- In case an upward Flick Roll on Figures 8.4.15.1, 8.4.15.2, 8.4.16.1, 8.4.17.1, 8.4.17.2 and 8.4.18.2, no downward Rotation is allowed;
- For Figures 8.6.1 and 8.6.3 columns 1 and 2, a Top Rotation excludes an upward Flick and limits the upward Rotation to 9.1.1.1 or 9.1.1.2, and a Top Rotation excludes all upward Rotation;
- For Figures 8.6.5.2 and 8.6.6.1, downward Rotations are limited to 9.1.5.2.;
- For Figures 8.6.5.1 and 8.6.6.2, downward Rotations are limited to 9.1.5.3 in case of a Top Rotation;
- No Flick Rolls after a Spin are allowed;
- Aileron Rolls (maximum 9.1.5.2) are allowed after a Spin.

## **2.4. Programme 5 - The Final Freestyle Programme**

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.4. NOT APPLICABLE

## **2.5. Time Between Programmes**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 2.5.

# **3. OPERATIONS OF WORLD AND CONTINENTAL AEROBATIC CHAMPIONSHIPS**

## **3.1. Daily Briefing**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.1.

## **3.2. Sequence of Flights (Drawing of Lots)**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.2.

## **3.3. Performance Zone**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.3.

## **3.4. Warm-Up Flights**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.4.

## **3.5. Video/Audio Devices**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.5.

## **3.6. Meteorological Conditions**

### **3.6.1. Daylight**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.1.



**3.6.2. Minima**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.2.

**3.6.3. Weather Information**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.3.

**3.6.4. Adverse Weather**

3.6.4.1.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.4.1.

3.6.4.2.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.4.2

3.6.4.3.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.4.3.

3.6.4.4.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.4.4.

3.6.4.5.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.4.5.

3.6.4.6. If in a Pilot's opinion, the weather conditions do not comply with the Competition Rules, a Competitor may discontinue their Flight before starting the Sequence or, during the Programme, in level flight at the end of a Figure i.e.:

- a) If during any Programme, the horizontal visibility deteriorates to less than 5 km;
- b) If the cloud height in the Performance Zone is lower than the height in the following table:

Category	Break if lower than:	No flying if lower than:
Excellence	1050 m	800 m

c) In case precipitation becomes apparent, Members of the International Jury should immediately use their Test Aircraft in order to check the weather conditions in the Performance Area and to reach a decision on the possible repetition of the Competition Flight. This applies to Programmes from 1 to 3;

d) If the wind exceeds the limits specified in 3.6.2 and in case a Competitor during a Flight is not able to observe such changes and they complete the Flight – i.e. if the Competitor performed their Flight under conditions which were disadvantageous as compared with other Competitors - this Competitor is entitled to repeat the Flight, excluding Programmes 2 to 3.

e) The Marking for the Repetition Flight for a Competitor is continued from the Figure immediately following the break;

f) If a Competitor discontinues their Flight without sufficient reason, no Repetition Flight is allowed.



### **3.6.5. Permitted Breaks**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.5.

### **3.6.6. Penalised Breaks**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.6.6.

### **3.7. Conduct of Competition Flights**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.7.  
(3 Programmes)

### **3.8. Height Limitations**

3.8.1.1. The following Height Limitations have been determined for all Contest Flights:

Category	Upper	Lower	Disqualification
Excellence	1000 m	150 m	50 m

### **3.9. Safety, Warm-up and Practice Manoeuvres**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.9.  
(3 Programmes)

### **3.10. Duration of Flight and Signalling Start and Finish**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.10.  
(3 Programmes)

### **3.11. Danger of Collision**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.11.

### **3.12. Mechanical Issues**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.12.

### **3.13. Change of Aircraft by a Competitor**

- 3.13.1.1. A Contest Aircraft may, on the recommendation of the Technical Commission, and with the permission of the International Jury, be replaced at any time by another Contest Aircraft.
- 3.13.1.2. If due to a technical reason, a Pilot has to fly a different Aircraft, they shall be allowed to make the following Figures in addition to typical Safety Manoeuvres, in order to become accustomed to the substitute:



### Excellence

Horizontal 4-point Roll, 9.4.3.4.  
Horizontal positive Flick Roll, 9.9.3.4.  
Horizontal negative Flick Roll, 9.10.3.4  
(framed by two Half Rolls 9.1.3.2).  
Stall Turn with Roll, 5.2.1.1. and 9.1.1.4.

#### 3.14. Protests

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 3.14.

### 4. EVALUATION OF COMPETITION FLIGHTS

#### 4.1. Evaluation of the Performance

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.1.  
(3 Programmes)

#### 4.2. Boundary Judging

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.2.

#### 4.3. Penalties Deductible From Total (Averaged) Scores

##### 4.3.1. Missed Slot

- 4.3.1.1. A Penalty of 250 points will be awarded to a Pilot who, without a reasonable cause, is not ready when the Time of their Slot arrives or causes an unreasonable delay between their Slot Time and the Start of their Flight.

##### 4.3.2. Violations of Safety Manoeuvres

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.2.

##### 4.3.3. Violations of Signalling Procedures

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.3.

##### 4.3.4. Time Limits for the Programmes

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.4  
(3 Programmes)

##### 4.3.5. Infringement of Height Limits

###### 4.3.5.1.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.5.1.

###### 4.3.5.2.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.5.2.





4.3.5.3. Excellence

a) For every obvious and visually recognised infringement of the Lower Height Limit during the performance of Programmes 1, 2 and 3, the Competitor is given 250 Penalty Points; In Programmes 1, 2 and 3, an additional 250 Penalty Points are given for each Figure flown completely below the Lower Height Limit. For an infringement of the Upper Height Limit in Programmes 1, 2 and 3, 50 Penalty Points are given. A Competitor flying lower than 75 metres is disqualified (from the current Programme) for causing a dangerous situation.

**4.3.6. Infringements of the Performance Zone**

4.3.6.1.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.6.1.

4.3.6.2. For each infringement of the Performance Zone in Programmes 1, 2 and 3 by more than 50 metres in the direction of the Main Axis and/or the Secondary Axis, a pilot is given Penalty Points in accordance with the table below.

Zone Infringement	Excellence
Penalty Point Tariff	30

4.3.6.3.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.6.3.

**4.3.7. Flight Regulations and Dangerous Flying**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.7.

**4.3.8. Interruption of Programme or Insertion of Figures**

4.3.8.1.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.8.1.

4.3.8.2.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.8.2.

4.3.8.3.

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.3.8.3.

4.3.8.4. The Insertion of a Figure to a Sequence also results in Penalty Points, but all subsequent Figures correctly flown are marked. For example, if the inserted Figure flown is a repeat of the previous Figure, the Score for the original Figure must be retained, even if zero. Under no circumstances should a Competitor be allowed to gain an advantage due to this insertion.

Interruption or Insertion	Excellence
Penalty Point Tariff	100



#### **4.4. Penalties & Devaluations Applicable to Figures in Programmes 1, 2 and 3**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.4.

#### **4.5. Judging Administration**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - RULE 4.5.

### **5. AWARDS**

✗ FAI SPORTING CODE, SECTION 6 PART 1 - RULE 5. NOT APPLICABLE

The Organiser announces in the Bulletin what Awards are given to the Winners. No title of "Champion" is awarded, but titles of "Winner of the Excellence Category" are given.



## **APPENDICES**



## **A. APPENDIX A : LIST OF FIGURES FOR PROGRAMMES 2 AND 3**

### **A.1. Colour Coding**

#### **A.1.1. Intermediate**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.1.1.

#### **A.1.2. Advanced**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX 4.1.2.

#### **A,1,3, Unlimited**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX 4.1.3.

### **A.2. Roll, Flick and Spin Combination**

#### **A.2.1. Intermediate and Advanced**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.2.1.

#### **A.2.2. Unlimited**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.1.2.

#### **A.2.3. All categories**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.1.3.

#### **A.2.3. Excellence**

These sequences must only include figures from the CIVA Code 6 Appendix A - **Unlimited list**, amended in accordance with this Appendix to Excellence rules, or present in the known sequence for the current year.

**No flick rolls after a spin.**

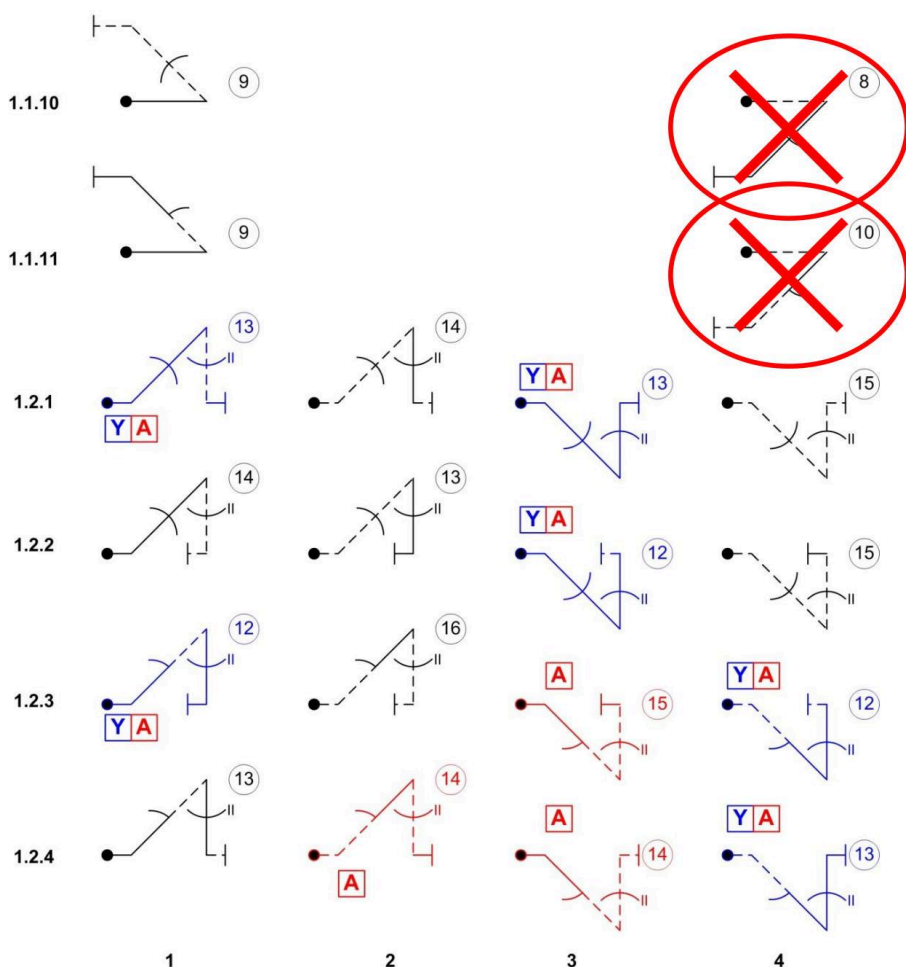
### **A.3. Family 1.1.1 To 1.1.7**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.3.

#### A.4. Family 1.1.10 To 1.2.4

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.4, **WITH THE FOLLOWING RESTRICTIONS**

- *Family 1*: Figures 1.1.10.4 and 1.1.11.4 are prohibited.



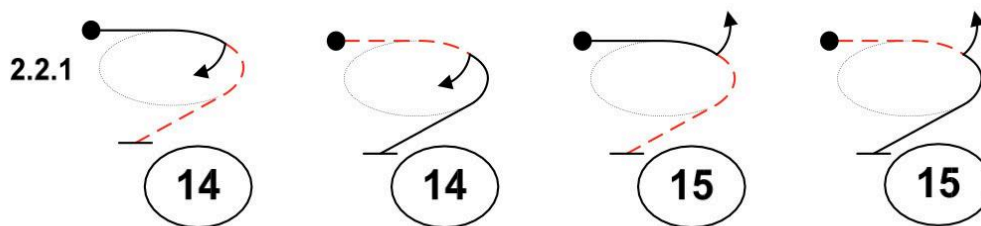
- A.4.1.1. Unlimited: No combination of aileron roll and flick roll (ref A.2.2.3) permitted on the 45° up line of Figures 1.1.10.1 and 1.1.11.1.
- A.4.1.2. Unlimited: No unlinked and opposite rolls (ref A.2.2.2), nor combinations of flick roll and aileron roll (ref A.2.2.4), permitted on the 45° down line of Figures 1.1.10.4 and 1.1.11.4



### A.5. Family 1.2.5 To 1.2.8

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.5.

#### PLUS / IN ADDITION:



Additional figures allowed for Excellence Unknowns

### A.6. Family 2.1.3 To 2.3.3

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.6.

### A.7. Family 2.3.4 To 2.4.8

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.7.

### A.8. Family 5 Stall Turns

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.8.

### A.9. Family 6 Tail Slides

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.9.

### A.10. Family 7.2.1 To 7.3.4

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.10.

### A.11. Family 7.4.1 To 7.4.6

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.11.

### A.12. Family 7.8.1 To 7.8.6

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.12.



**A.13. Family 7.8.7 To 7.8.8**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.13.

**A.14. Family 8.4.1 To 8.4.4**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.14.

**A.15. Family 8.4.13 To 8.4.18**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.15.

**A.16. Family 8.5.1 To 8.5.8**

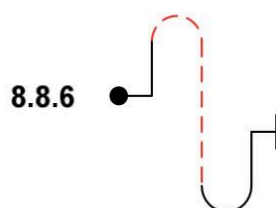
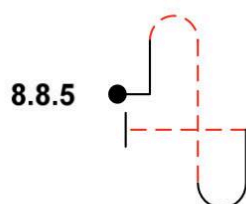
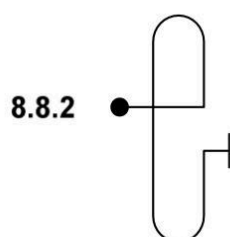
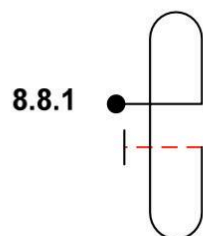
✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.16.

**A.17. Family 8.6.1 To 8.6.8**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.17.



**A.18. Family 8.8**



**1**

**2**

**3**

**4**

A.18.1.1. All categories: In Family 8.8, a maximum of one Family 9 element allowed on any vertical line.





**A.19. Family 9.1, Continuous Rolls**

<b>9.1</b>		<b>1/4</b>	<b>1/2</b>	<b>3/4</b>	<b>1</b>	<b>1 1/4</b>	<b>1 1/2</b>	<b>1 3/4</b>	<b>2</b>
<b>1</b>		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>			
<b>2</b>		<b>4</b>	<b>6</b>	<b>8</b>	<b>10</b>		<b>12</b>		
<b>3</b>		<b>2</b>	<b>4</b>	<b>6</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>4</b>			<b>4</b>		<b>8</b>		<b>10</b>		
<b>5</b>		<b>2</b>	<b>4</b>	<b>6</b>	<b>8</b>				
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>

9.1.1.5: no inverted upward / 9.1.5.4: no inverted exit



**A.20. Family 9.2, Two-Point Rolls**

<b>9.2</b>					<b>1</b>		<b>1 1/2</b>		<b>2</b>
<b>1</b>					<b>13</b>				
<b>2</b>					<b>11</b>				
<b>3</b>					<b>9</b>		<b>12</b>		<b>15</b>
<b>4</b>					<b>9</b>				
<b>5</b>					<b>9</b>				
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>

9.2.5.4: no inverted exit



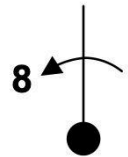
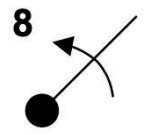
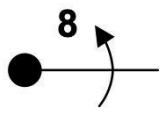
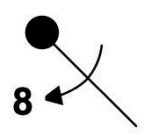
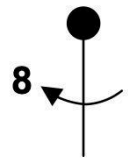
A.21. Family 9.4, Four-Point Rolls

9.4			1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
1			9	12	15				
2			7		13				
3			5	8	11				
4			5		11				
5			5	8					
		1	2	3	4	5	6	7	8

9.4.1.4: no inverted upward / 9.4.5.3: no inverted exit



**A.22. Family 9.8, Eight-Point Rolls**

<b>9.8</b>		<b>1/4</b>	<b>1/2</b>	<b>3/4</b>	<b>1</b>	<b>1 1/2</b>	<b>1 1/4</b>	<b>1 3/4</b>	<b>2</b>
<b>1</b>		<b>7</b>	<b>11</b>						
<b>2</b>		<b>5</b>	<b>9</b>						
<b>3</b>		<b>3</b>	<b>7</b>		<b>15</b>				
<b>4</b>			<b>7</b>						
<b>5</b>		<b>3</b>	<b>7</b>						
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>

9.8.1.2: no inverted upward / 9.8.5.2: no inverted exit



**A.23. Family 9.9, Positive Flick Rolls**







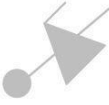



9.9			1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
1			15	15	15				
2			13		13				
3			11		11		14		
4			11		11		14		
5			11	11	11				
6					17				
7									
8									
9									
10			13	13	13				
			2	3	4	5	6	7	8

9.9.5 and 9.9.10: no inverted exit

A.23.1.1. ¾ positive flick rolls on non-vertical lines not permitted at any attitude when initiation or stop of the flick roll is to be performed with use of downward movement of rudder (lower pedal)



**A.24. Family 9.10, Negative Flick Rolls**

9.10			1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
1									
2			15		15				
3			13		13		16		
4			13		13				
5			13	13	13				
6			19	19	19				
7									
8			15						
9									
10			15	15	15				
		1	2	3	4	5	6	7	8

9.10.5 and 9.10.10: no inverted exit



**A.25. Family 9.11, Upright Spins**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.25.

**A.26. Family 9.12, Inverted Spins**

✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX A.26.



## **B. APPENDIX B : CRITERIA FOR JUDGING AEROBATIC FIGURES**

- |  |
|--|
| <p>✓ ACCORDING TO FAI SPORTING CODE, SECTION 6 PART 1 - APPENDIX B.1 TO B.10</p> <p>✗ APPENDIX B.11 NOT APPLICABLE</p> |
|--|