

RULES FOR THE
LOW ALTITUDE CLASSIC AEROBATICS CUP
Proposed by Club Acrobático Central

1. Formula

The Formula is based on flying a low level aerobatic sequence, in a line parallel to the public/Judges.

This sequence, designed to be very safe, is flown passing three gates: 1, 2 and 3 or Center, Left and Right. (exists the option to reduce the number of gates to two or even one)

2. The Sequences

2.1. The sequences are designed by the Judges. They are the Official Sequences

2.2. Types of sequences: There are two types of sequences, Q (Known) and Unknown. A contest is composed of 1 Q programme and two Unknown programmes.

2.3. Each sequence is comprised of a maximum of 10 figures, with not more than 600K and not less than 400k. Must include

2.4. Drawing must indicate the figures (in Aresti typography) and the position of the gates regarding which the manoeuver is flown (see Annex 1).

3. The Gates

3.1. Design: The gates are pairs of lightweight inflatable cones, 25 meters high.

3.2. There are one, two or three gates, depending of the contest.

3.2.1 If there are three gates, the cones on the left gate are Red, the cones at the center gate are Green and the cones on the right gate are Blue, as seen from the Judging position. The top 5 meters of each gate is marked checkered in black and white, to define the height at which the aircraft must cross the gate.

3.2.2 If there are two gates, the cones on the left gate are Red, and the cones on the right gate are Blue, as seen from the Judging position. The top 5 meters of each gate is marked checkered in black and white, to define the height at which the aircraft must cross the gate.

3.2.3. If there is only a gate, the cones are Red. The top 5 meters of each gate is marked checkered in black and white, to define the height at which the aircraft must cross the gate.

3.3. Safety: The gates ideally, must be tested for impact, to assure that no damage is caused. However, not tested poles can be used, but increasing the separation of the poles to 40 meters

3.4. Types: A gate can mark the beginning of the sequence (Start Gate), the end of a sequence (End Gate), the beginning of a figure, a compulsory over flight point, or other, as needed.

3.5. Distribution: the Width of each gate is 30 meters. The separation of each pair of gates can be from 300 meters to 500 meters. The base of the cones of each gate must be at the same height, so the pilot see the cones leveled.

4. The Scoring System and Judging

4.1. Timing gates: A "Start Gate" and an "End Gate" must be defined; they can be the same gate.

4.2. Timing: Time begins to count when a plane passes the Start Gate, and finishes when it crosses the End Gate having completed the sequence.

4.3. Raw time and Final Time: The time measured from when the plane passes the *Start Gate* to the moment the plane finishes the sequence and passes the *End Gate* is called "*Raw Time*". "*Final Time*" is the "*Raw Time*" plus/minus the penalties/bonuses.

4.4. Correct execution of figures and Judging

4.4.1. The figures must be flown in the same order and positioning as indicated in the Official Sequence. In addition each figure must commence (if so indicated) after the correspondent gate or finish (if so indicated) before the indicated gate.

4.4.2. The shape of the figure must be maintained as indicated in the CIVA rules for classic.

4.4.3. Offsets: This paragraph is not applicable.

4.4.4. Wind correction angles are not penalized

4.4.5. When finishing a figure, the pilot can bank, turn, climb or descend to position himself for the next figure, as needed, with no penalties. If the last figure is a 45° down line with a roll, the pilot must first level off, before positioning himself for the next figure. So, any figure must begin and finish with an horizontal segment. Once the pilot has flown the horizontal segment, he can position himself for the next figure.

4.4.6. Passing attitude of each gates must be horizontal, and at the indicated height which will range between 20 and 25 meters.

4.4.7. Tic-tacs are penalized according the maximum angle reached.

4.5. Penalties and bonuses: Penalties or bonuses will be applied to all figures, depending on the score obtained by the pilot, according the following table:

Score in the figure	Penalty	Bonus
Score>9	NO	-3 sec
8,5<score<=9	NO	-2 sec
8<score<=8,5	NO	-1 sec
7 to 8	NO	NO
6 < score <7	+1 sec	NO
5 < score <=6	+2 sec	NO
4 < score <=5	+3 sec	NO
3 < score <=4	+4 sec	NO
2 < score <=3	+5 sec	NO
1 < score <=2	+6 sec	NO
0 < score <=1	+7 sec	NO
HZ	+20 sec	NO
HIGH (over the marks)		
LOW (under the marks)	+5 sec	NO
Unsafe flight	Disqualified	NO

4.6. Judges

4.6.1. Main Judges: A minimum of three judges is mandatory.

4.6.2. Judges must provide a score for all the pilots and sequences according CIVA rules.

5. Results

5.1. According the “Final Time” obtained by each pilot in each programme; points are assigned as indicated in the following chart:

Final Time	Position	Points
Best (lowest)	1	10
2nd	2	8
3rd	3	6

4rd	4	4
5th	5	3
6th	6	2
7th	7	1
From 8 th on	8 th on	0

5.2. Final scoring of a pilot is the sum of the points obtained in all programmes flown.

5.3. A minimum of one programme flown by all the pilots is sufficient to finish and score a competition, if no time enough for any reason is available to fly all the sequences.

Annex 1 Examples of programmes

