



FAI Sporting Code

Fédération
Aéronautique
Internationale

Section 4 – Aeromodelling

Volume F3 Radio Control Aerobatics

2015 Edition

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No change to the 2014 Revised Edition

F3A - R/C AEROBATIC POWER MODEL AIRCRAFT
F3M - LARGE R/C AEROBATIC POWER MODEL AIRCRAFT
F3P - INDOOR R/C AEROBATIC POWER MODEL AIRCRAFT
F3S - JET R/C AEROBATIC POWER MODEL AIRCRAFT (PROVISIONAL)
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Extrait « Volume F3 Radio Control Aerobatics »

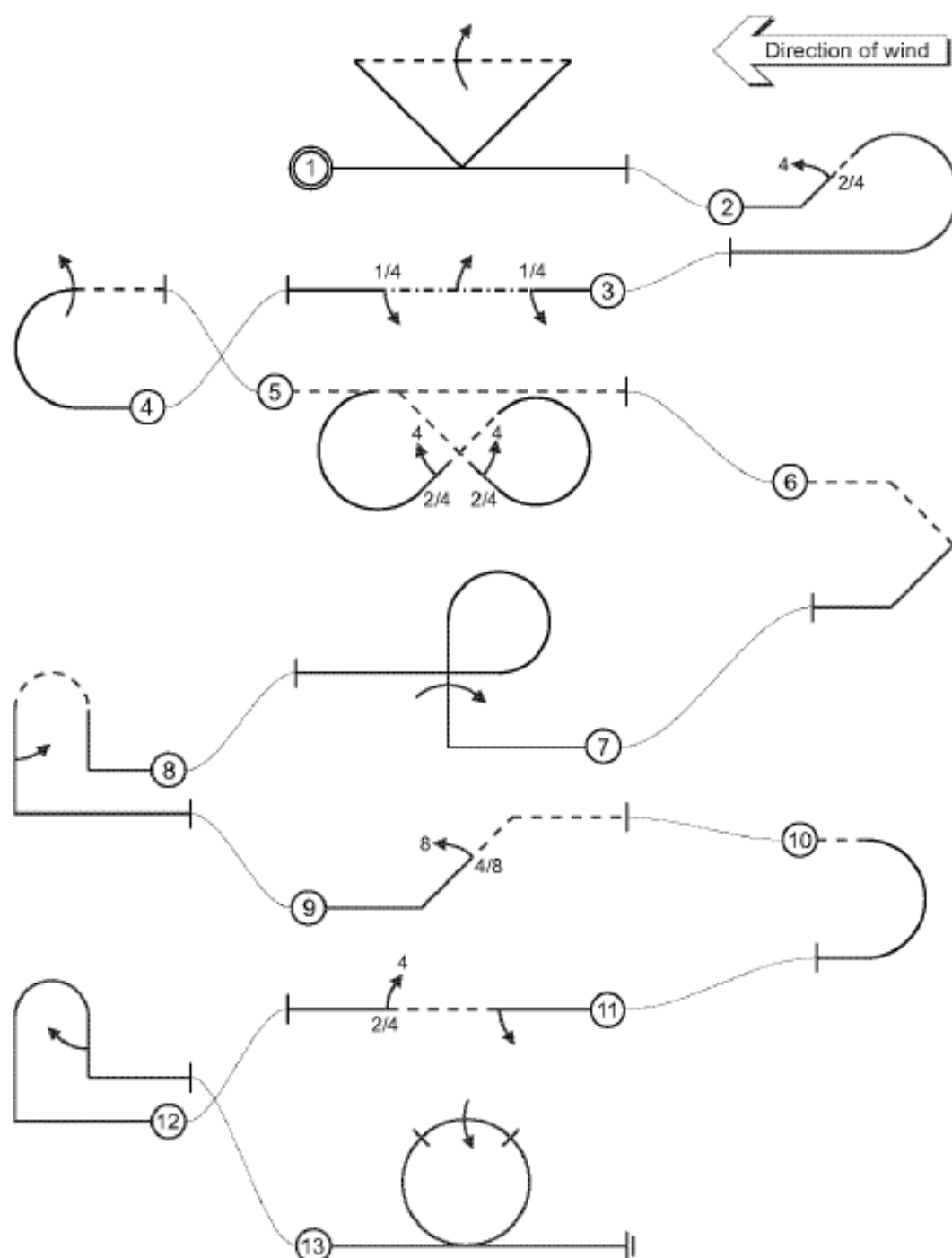
ANNEX 5X

F3S – RADIO CONTROLLED AEROBATIC JET MODEL AIRCRAFT

DESCRIPTION OF MANOEUVRES

- S-15.01 Triangle with roll**
From upright, pull through a 1/8 loop into a 45 degree upline. Pull through a 3/8 loop into a horizontal line perform a roll, pull through a 3/8 loop into a 45 degree downline. Pull through a 1/8 loop, exit upright.
- S-15.02 Half Reverse Cuban 8 with consecutive two ¼ rolls**
From upright, pull through a 1/8 loop into a 45 degree upline, perform consecutively two ¼ rolls, pull through a 5/8 loop, exit upright.
- S-15.03 Opposite Knife-edge Flight**
From upright, perform a 1/4 roll to knife-edge flight, perform a 1/2 roll in the opposite direction, to knife-edge flight, perform a 1/4 roll, exit upright.
- S-15.04 Immelmann with roll**
From upright, pull through a ½ loop, immediately followed by a roll, exit inverted.
- S-15.05 Reverse Cuban 8 with two consecutive ¼ rolls**
From inverted, pull through a 1/8 loop into a 45 degree downline, perform consecutively two ¼ rolls, pull through a 3/4 loop into a 45 degree downline, perform consecutively two ¼ rolls, pull through a 5/8 loop, exit inverted.
- S-15.06 Half Square Loop on Corner**
From inverted, pull through a 1/8 loop into a 45 degree downline, pull through a ¼ loop into a 45 degree downline, pull through 1/8 loop, exit upright.
- S-15.07 Figure 9 with roll up**
From upright, pull through a 1/4 loop into a vertical upline, perform a roll, pull through a 3/4 loop, exit upright.
- S-15.08 Pull-push-pull Humpty Bump with half roll down**
From upright, pull through a 1/4 loop to a vertical upline, push through a 1/2 loop into a vertical downline, perform a half roll, pull through a 1/4 loop, exit upright.
- S-15.09 45 ° Upline with four consecutive 1/8 rolls**
From upright, pull into a 45 degree upline and perform consecutively four 1/8 rolls, pull through 1/4 loop, exit inverted.
- S-15.10 Half Loop**
From inverted, pull through a 1/2 loop, exit upright.
- S-15.11 Roll Combination with consecutive half slow roll, and in opposite direction two ¼ rolls**
From upright, perform consecutively a ½ slow roll, a ¼ roll in opposite direction, a ¼ roll, exit upright.
- S-15.12 Pull-pull-pull Humpty Bump with half roll down**
From upright, pull through a 1/4 loop into a vertical upline, pull through a 1/2 loop into a vertical downline, perform a 1/2 roll, pull through a 1/4 loop exit upright.
- S-15.13 Loop, with roll integrated over top 90 degrees**
From upright, pull through a loop while performing an integrated roll in the top 90 degrees of the loop, exit upright.

The Aresti diagrams appear overleaf.

Schedule of Manoeuvres F3S 2011

ANNEX 5N
RULES FOR WORLD CUP EVENTS
F3A AEROBATIC WORLD CUP

5N.1. Class

The F3A class is recognised for World Cup competition (aerobatic model aircraft).

5N.2. Competitors

All competitors in the specified open international contests are eligible for the World Cup.

5N.3. Contests

Contests included in the World Cup must appear on the FAI Contest Calendar, and must be run according to the FAI Sporting Code. The contests eligible for a World Cup in a particular year, must be nominated before the CIAM Bureau Meeting at the end of the preceding year, and must be included in the FAI Contest Calendar. The selection of the contests should be according to the following guidelines:

- a) a maximum of two contests may be selected for any one country.
- b) each competitor may count only one competition from each country in Europe (taking the better score for any European country in which he has scored in two competitions).
- c) five (5) judges have to be appointed for each judges' panel and a TBL scoring system has to be applied.

5N.4. Points allocation

The points to be allocated to competitors will depend on the number (N) of competitors who have completed at least one flight in the event. A competitor has completed a flight if he registers a score greater than zero (0).

Points are allocated to competitors who have completed at least one flight in the event, according to their placing in the results, as given in the following tables:

a) $N > 20$

Placing	1	2	3	4	5	6	.....	20	21 and after
Points	20	19	18	17	16	15	.....	1	0

A bonus of 8 points is given to the first placed competitor; 5 points to the second placed and 3 points to the third placed.

b) $N \leq 20$

Placing	1	2	3	4	5	6	.....	N-1	N
Points	N	N-1	N-2	N-3	N-4	N-5	.....	2	1

The bonus is defined as follows:

- for first place: $N/3$ rounded up to the nearest whole number of points, with a maximum of 7 points;
- for second place: $N/5$ rounded up to the nearest whole number of points, with a maximum of 4 points;
- for third place: $N/7$ rounded up to the nearest whole number of points, with a maximum of 3 points.

In the event of a tie between competitors for any placing, the competitors will share the points which would have been awarded to the places covered had the tie been resolved (round up the score to the nearest whole number of points).

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5N.5. Classification

The World Cup results are determined by considering the total of points obtained by each competitor in the World Cup events. Up to three events may be counted, selecting each competitor's best scores during the year. The winner of the World Cup is the competitor with the greatest total.

In the event of a tie for first, second, and third place, the place will be determined according to the following criteria:

The number of events counted is increased, one at a time, from three until the winner is obtained. If this does not separate the tied competitors, then the winner will be determined by considering the points obtained in the best three events multiplied by the number of competitors who have completed at least one flight in the event. The winner is the one with the greatest total thus calculated.

5N.6. Awards

The winner is awarded the title of winner of the World Cup. Certificates, medals and trophies may be awarded by the CIAM F3 Aerobatics sub-committee if available.

5N.7. Organisation

The F3 Aerobatics sub-committee shall be responsible for organising the World Cup, and may nominate a responsible person or special sub-committee to collate the results.

5N.8. Communication

The F3 Aerobatics sub-committee nominated World Cup coordinator must receive the results from each contest in the World Cup, and then calculate and publish the World Cup positions. These should be distributed to the news agencies and should also be available, by payment of a nominal fee, to any interested bodies or individuals. Final results of the World Cup must be sent to the FAI, National Airports Controls, and the modelling press.

5N.9. Responsibilities of competition organisers

Competition organisers must propose their event for inclusion in the World Cup, when nominating events for the FAI international Sporting Calendar. The final selection of events from these proposals is made by the CIAM Bureau as defined in paragraph 3.

Immediately after the event, the competition organiser must send the results to the World Cup coordinator, within one month as required in the Sporting code B.2.5. Any failure to return scores promptly will be reviewed by the CIAM Bureau when considering the competition calendar for the following year.

5N.10. Board of judges

A board of three responsible people shall be nominated by the CIAM F3 Aerobatics sub-committee to rule on any protest concerning the World Cup during a year. Any protest must be submitted in writing to the F3 Aerobatics sub-committee chairman and must be accompanied by a fee of 35 Euros. In the event of the jury upholding the protest, the fee will be returned.

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