



**LARGE SCALE AEROBATICS**  
**2018 NATIONAL CHAMPIONSHIPS**  
**Henley 27 April - 1 May 2018**



**Rules and procedures that will be applied for this event:**

- The 2017 Large Scale Aerobatics Nationals will be flown to the IMAC rule book with any exceptions being in this document.
- We have budgeted 12 minutes per round.
- Each official flight/round will consist of 2 back-to-back sequences.
- **It is the caller's responsibility** to inform the judges when the contestant is 'entering the box' and 'exiting the box' for every sequence flown. Failure to do so may result in the sequence not being judged.
- Sportsman will fly a total of 8 sequences (4 rounds) with all other classes flying 6 known sequences (3 Rounds) and 2 unknown sequences (1 rounds) and additionally 1 rounds of freestyle will be flown on the last day . The lowest 2 sequence scores will be dropped for Sportsman, all other classes the lowest 2 known sequences and lowest 1 unknown will be dropped.
- Weighting of the rounds are as follows for each class;
  - Sportsman : Knowns - 100%
  - Intermediate: known - 80% unknowns - 20%
  - Advanced: known - 80% unknowns - 20%
  - Unlimited: known - 80% unknowns - 20%
- Intermediate, Advanced and unlimited will receive 1 unknown which will be flown in 1 rounds ( 2 Sequences). Each class flies their Unknown on different days. Unknowns will be available on the day from the Contest Director.
- No simulator or actual flying to practice the unknowns will be allowed. Pilots found to have practice their unknowns will be disqualified from the entire competition.

**Frequency control:**

- As per the general instructions sent out.
- **Please - NO** cell phones on the flight line!

**Rules, Time Limits and no-starts:**

1: The contestant has two (2) minutes to start their engine and become airborne. If after two (2) minutes the contestant is unable to start their engine, he will move off the runway and allow the next flight to proceed.  
If there is enough time available after all the classes have completed the round then those contestants will be allowed to fly their lost flights. The failure to start within 2 minutes rule will still be applicable for these flights only if time permits.

2: The contestant has one (1) minute from the time the wheels leave the ground during takeoff to enter the aerobatic box.

3: **No aerobatic manoeuvres are allowed before entering the box. A list of allowable turn around manoeuvres is available on the LSA website.**

4: There shall be no time limit while in the aerobatic box.

5: The contestant has two (2) minutes between leaving the aerobatic box and touchdown for landing, unless required to hold upon command from an appropriate official.

6: Upon exiting the box pilots are allowed only the necessary positioning manoeuvres to execute a safe landing.  
**No aerobatics manoeuvres are allowed.**

7: If contestant performs any aerobatic manoeuvres prior to entering, or after exiting the box will result in a penalty of zeroing the **entire round** and will be asked to land immediately.

8: Break in sequence:

Due to time being limited, If there is a break in sequence, for reasons other than engine failure or a crash, the caller is to indicate such to the judges. All remaining manoeuvres for that sequence will be zeroed. Should this happen during the first sequence then the pilot can re-position and proceed with his second sequence.

9: Engine failure:

If a pilot has an engine failure during the first sequence and is able to start his engine as soon as the aircraft as come to rest he may take off and start his second sequence. All missed manoeuvres from the previous sequence will be zeroed. Engine failure during the second sequence will result in zeroes for all un-flown manoeuvres.

10: A realistic three-dimensional human pilot and viewable instrument panel shall be appropriately installed in all Scale Aerobatic aircraft. (A one (1%)flight score penalty will be assessed for noncompliance.)

**Interaction between judges and pilots:**

- 1: There will be **no** discussion between pilots and judges.
- 2: The judges are **not** to provide any 'coaching tips' to pilots in between flights. However, the judges may make sketches on the score sheets.
- 3: Pilots watching from behind the judges are to do so at no less than 10m from behind the judges so as not to distract them.

**Scores and score sheets:**

- 1: Scores will be posted as soon as possible after the round has been completed.
- 2: Individual scores will be viewable on the LSA website at the end of each day (with the exception on the final 2 days)
- 3: Scores will be entered as determined by the judges.
- 4: Not observed manoeuvres will be awarded the average of the other judge's scores.
- 5: If all judges did not observe a manoeuvre, the pilot will be asked to re-fly the manoeuvre and begin with the manoeuvre prior to that.
- 6: Scores will be normalised.



**LARGE SCALE AEROBATICS**  
**2018 NATIONAL CHAMPIONSHIPS**  
**Henley 27 April - 1 May 2018**



**Box infringements:**

- 1: The 180 degree box will be used with a deadline at 30 meters in front of the contestant.
- 2: The "Deadline" is located 30 meters in front of the contestant. This line delimits the "no-fly" zone for safety reasons and the aircraft must at all times remain on the side of the deadline away from the contestant, pits and spectators. The judges shall zero (0) any manoeuvre where the aircraft completely or partially crosses the deadline. For repeated deadline violations by a contestant during a flight, the CD and/or Judges may ground the flight in progress and zero the round. If a contestant repeatedly violates the deadline, the CD and/or Judges may disqualify the contestant from further competition at the event.
- 3: During freestyle if the plane goes behind deadline the pilot may be asked to land and will receive 0 for that round.

**4 minute Freestyle:**

- 1: Pilots flying freestyle will still have a caller with them
- 2: The freestyle sequence may start on the ground or in the air
- 3: The caller will indicate when the music must start and when the judges can start Judging.
- 4: The freestyle routine will be a maximum of 4 minutes, after this the judges will stop judging.
- 5: If the routine is less than 3:30 the score will be prorated

**Protests:**

As per the standard protest procedure sent out by SAMAA

**Safety:**

At any time, if it is felt that the flight in progress is deemed to be flown in an unsafe manner, the CD and / or the Judges can request the pilot to land his aircraft immediately. The entire sequence will be zeroed.  
Should there be any outside interference during a flight the CD / judges can, at his discretion, request either the affected manoeuvre or entire sequence to be re-flown.

GOOD LUCK, fly safely & enjoy the event.

***Personnel***

*Chairman - Owen Vuyk*  
*Contest director/Flight line director - Errol Bakker*  
*Chief Judge - Bruce Clark*  
*Scorekeeper - Sherryl Clark*

***Judges***

*Bruce Clark*  
*Arthur Coleby*  
*Gavin Walton*  
*Neil Twomey*  
*Mike Stark*