

## The Cowra Plank and Super Plank Racing - Rules for 2019

The aim of Plank Racing is to make it accessible to all flyers and a whole lot of fun. The rules are kept as brief as possible.

There are two classes, 'Cowra Plank' and 'Super Plank'.

You can enter in both classes

### Common Rules for both Classes

- Maximum engine size is .25 cu in
- Two flying lines are to be used with a minimum length of 15.92 meters from attachment point on handle to centre line of the model's fuselage.
- Models with engines up and including .15cuin plain bearing must have 3 strand line no less than 15 thou
- Models with engines over .15cuin up to .25cuin and all ballrace engines must have 3 strand line no less than 18 thou.
- A restraint thong must be used on the handle and attached around the wrist.
- The flying lines are not to pass through the handle, but rather be attached to a heavy gauge cable passing through the handle.
- Model and lines must withstand a pull test to 15 times the model weight.
- A pilot may in fly both classes.
- Each pilot is entitled to two attempts with only the fastest one being counted.
- A different model may be used for each attempt.
- Scrutineers appointed by the CD will check models, lines and do a pull test.
- Three judges appointed by the CD will time each attempt and judge that manoeuvres are completed.
- If the manoeuvres are judged not to be successful the flight is forfeited.
- The CD's and judge's decisions will be final.

### Cowra Plank

#### The Model

- The wing is to be of solid balsa sheet & no thicker than 9mm finished.
- The engine must conform to Oily Hand engine specifications for control line.
- The entire control system must be exposed and visible.

#### The Flight

- 60 seconds to start engine and be in the air.
- The model may be hand launched.
- Manoeuvres - to be performed in the following sequence;
  1. Ten upright laps flown no higher than 3.5 meters.
  2. Two wingovers - must go vertical over pilot's head and level out no higher than 3.5 meters.
  3. Two inside loops - need not be consecutive.
  4. Two horizontal lazy eights - bottom of second lobe must be lower than middle of first lobe, need not be consecutive.
  5. Two laps inverted - must be below 4.5 meters.
- The flight will be timed from when the model becomes airborne to when it has returned to upright flight at the completion of the two inverted laps.

### Super Plank

#### The Model

- The model must have a separate wing and horizontal tail surface which has a fixed horizontal stabilizer and a moveable elevator.
- The engine must conform to Oily Hand engine specifications for control line.
- The model must ROG

#### The Flight

- 60 seconds to start engine and be in the air.
- Manoeuvres - to be performed in the following sequence;
  1. Ten upright laps flown no higher than 2.5 meters.
  2. Three wingovers - must go vertical over pilot's head and level out no higher than 2.5 meters.
  3. Three inside loops - need not be consecutive.
  4. Three outside loops - need not be consecutive
  5. Three horizontal lazy eights - bottom of second lobe must be lower than middle of first lobe, need not be consecutive.
  6. Three laps inverted - must be below 3.5 meters.
- The flight will be timed from when the model is released to when it has returned to upright flight at the completion of the three inverted laps.

### The Winner for Each Class

- The pilot who successfully completes all the manoeuvres in the fastest time is the winner.