



## ***Phoenix Model Aviators Inc. 'Park Flyer's Certificate'***



### **Definition**

**Any slow flying, light weight radio controlled fixed wing aircraft**, powered by a low noise, small electric motor which is deemed to be a **Park Flyer**.

### **Aim**

The pilot is required to demonstrate skills necessary to safely fly the aircraft through a set pattern of manoeuvres which includes a smooth and stable landing on the runway in front of the Pilot Safety Barrier.

The **Phoenix Model Aviators Inc. 'Park Flyer's Certificate'** is awarded to our members in recognition of the skills acquired whilst flying **Park Flyer Aircraft** at the **Phoenix Airfield**.

Members are encouraged to further develop their flying skills by working towards obtaining the Model Aeronautical Association of Australia's **'Bronze, Silver and Gold Wings'** which are recognised by clubs through-out Australia as higher levels of achievement.

When visiting other clubs, **Phoenix Members** are required to acquaint themselves with the 'Host Club's Visitors Rules and Conditions' which can vary from club to club.

# Flight Schedule

## 1. Pre-Flight Training

### (a) Dexterity of pilot with his/her equipment

*This refers to the ability of the pilot to locate all transmitter controls (including switches) without fumbling.*

### (b) Theoretical knowledge

*This refers to the pilot's ability to name all major components of the aircraft, defining all functions including the effect of controls.*

### (c) Pre-flight checks

*This refers to the pilot's ability to ready the aircraft to ensure it is properly airworthy. Other safety requirements (such as Tx range check), use of the Tx keyboard, awareness of flying & local conditions and safety rules are to be observed.*

## Safety First

**For safety, before connecting the battery to an electric powered aircraft, ensure that the motor control gimbal on the transmitter is on full idle and the trim tab is in the full down position. Whilst walking to the flightline keep your thumb hard against the motor control gimbal to prevent the motor going into power. Propellers can easily cut and damage.**

## 2. Start up, take off positioning, and ..... TAKE-OFF

***The pilot is to be positioned behind the 'Pilot Safety Barrier' whilst flying.***

*Ensure that your aircraft and equipment are safely positioned and foreign objects cannot be drawn into a spinning propeller(s).*

*Should your aircraft be unable to taxi and take off from the ground, it is a very good idea to have another flyer help you with the start-up and hand launching process.*

*The model should climb out gently (into wind) with wings level until a safe height is reached before making a left or right turn.*

## 3. Free Flying

*The pilot will be allowed one (1) minute for 'Free Flying' to adjust to the flying environment.*

## 4. Level Flight in a Straight Line

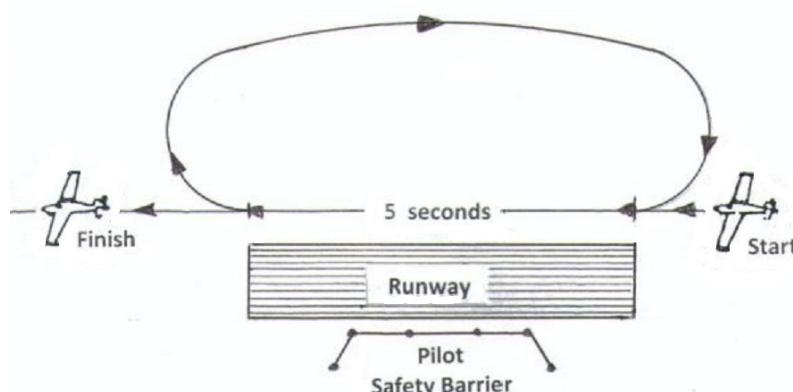
*The pilot must be able to demonstrate his/her ability to fly the aircraft (parallel to the duty runway) in 'level flight in a straight line' for a minimum of five (5) seconds.*

*In all, four (4) passes are required as follows:-*

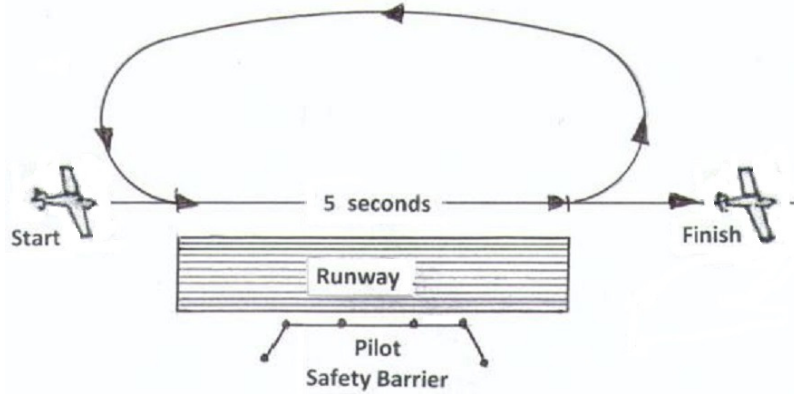
*(a) Two passes will be from the Right to Left.*

*(b) Two passes will be from the Left to Right.*

### **Horizontal Manoeuvre - Right to Left (clockwise circuit)**

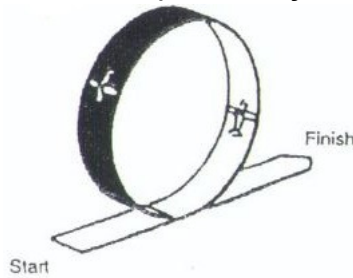


**Horizontal Manoeuvre - Left to Right (anti-clockwise circuit)**



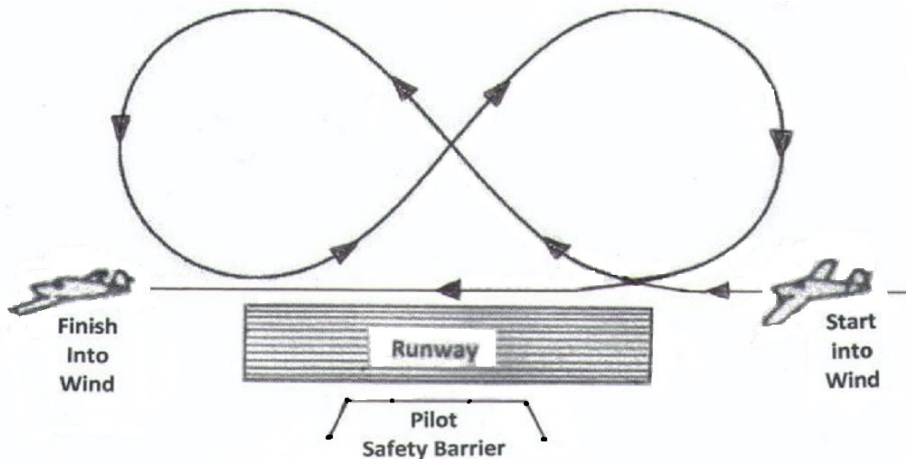
**5. One Inside Loop**

**Vertical Manoeuvre - (start and finish into wind)**



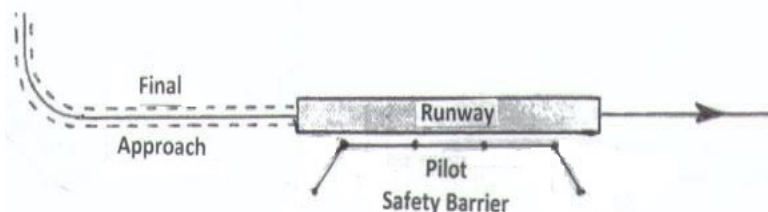
**6. One Lazy Figure of Eight**

**Horizontal Manoeuvre - (start and finish into wind)**



**7. Simulated Dead Stick Landing - followed by a Go Round**

**8. Landing Approach (downwind) – followed by a Go Round**



**9. Landing Approach (into wind)**

**10. Landing**

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## Manoeuvres

Any abrupt vertical, horizontal or tight manoeuvres will be disallowed.

## Positioning of Manoeuvres

Airborne manoeuvres are to be centred in front of the pilot.

## Duration of Flight

Minimum duration of a flight shall not be less than four (4) minutes after takeoff.

## Completion of Flight Schedule

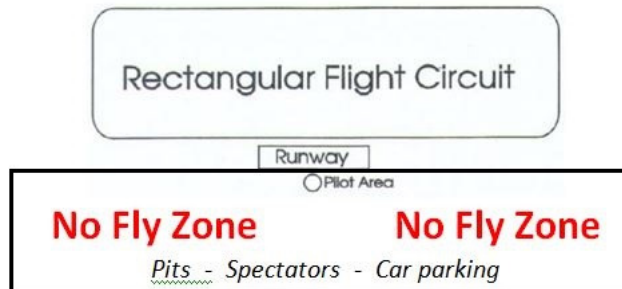
A pilot is required to complete all of the above manoeuvres within one Flight when battery power permits, otherwise a second flight will be allowed.

## Terminology

Every pilot needs to know the meaning of the following:-

- |                       |                        |                                |                |
|-----------------------|------------------------|--------------------------------|----------------|
| (a) Dead Stick        | (b) Orbit              | (c) Up Wind                    | (d) Crosswind  |
| (e) Downwind          | (f) Base Leg           | (g) Final Approach             | (h) Go Round   |
| (i) Flightline        | (j) Approach           | (k) Rectangular Flight Circuit | (l) Touch & Go |
| (m) Left Hand Circuit | (n) Right Hand Circuit | (o) Holding Point              |                |
| (p) Line up position  |                        |                                |                |

## Airfield



Once you have obtained the **Phoenix Model Aviators Inc 'Park Flyer's Certificate'**, we encourage you to further develop your flying skills by working towards obtaining your **'Bronze, Silver and Gold Wings'**. These wings are recognised by clubs through-out Australia as higher levels of achievement. The **'Bronze, Silver and Gold Wings Flight Training Manual'** can be downloaded from our website.



### Phoenix Model Aviators Inc.

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## Safe Flying is No Accident

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