



MAAA FLIGHT PROFICIENCY SCHEME

FLIGHT REQUIREMENTS & TEST CHECK SHEET

MULTIROTOR - GOLD WINGS

This Test is to be assessed by an MAAA Instructor.

The requirements specified have been determined by the MAAA and are not to be varied.

Gold Wings (Multirotor) are awarded when a member demonstrates, in the course of one session of no more than 4 consecutive flights, that he/she has the skills to perform the listed manoeuvres described in the attachment, in a safe, confident and competent manner, achieving accurate positioning in all 3 axes without the aid of Auto-level or GPS functions. Items 1-7 must be flown at a standard significantly above the minimum required for Bronze Wings.

This is to certify that..... AUS

of P/Code

Club **Note address on back of form if wings to be sent to Club**

has demonstrated the degree of proficiency in radio controlled flying of model aircraft to be awarded the MAAA **Gold Wings (Multirotor)**.

..... Signature MAAA Instructor's Name (BLOCK LETTERS) AUS No. Date

At the successful completion of the test this form shall be completed by the MAAA Instructor and sent to the **State Association**. **Wings will be sent to the Pilot or to the Club address noted below.**

Gold Wings Test (Additional to Bronze Wings Test)

Manoeuvres		Tests			
		1	2	3	4
1 - 7	Bronze Wings Test				
8	Vertical Circle				
9	20 second nose in hover				
10	8 point pirouette pausing at each point for 2 seconds, in both directions				
11	Vertical rectangle with clockwise and counter clockwise 360 degree pirouettes				
12	Remote nose in circle in front of pilot both clockwise and counter clockwise				
13	This manoeuvre has been removed from Gold Wings requirement				
14	Constant heading hovering horizontal NOSE IN figure 8 (two complete circles of approx. 10m diameter side by side)				
15	Inwards horizontal figure eight in front of the pilot at cruise speed from the right or the left				
16	Outwards horizontal figure eight in front of the pilot at cruise speed from the right or the left				
17	Take off, pause at 2m, turn 90 degree into wind, climb at 45 degree to a circuit height of 20m. Fly a rectangular circuit. Descend from 20m at 45 degrees to hover 2m above the take off point, pause, land vertically to starting point.				
18	At a minimum distance of 30 metres, whilst in a hover, perform pirouette of 3 full rotations and then demonstrate how you would confirm the orientation of the aircraft				
19	45 degree nose-in descent and landing into the 2m square helipad				
20	Demonstration of Return to Home Launch (RTL) Failsafe function if fitted. (Return to Home is a GPS function)				

All manoeuvres are to be executed with the pilot standing approximately 10 metres behind the Central Helipad using a flight line layout with one flag or marker located 5 metres to each side of the Central Helipad.

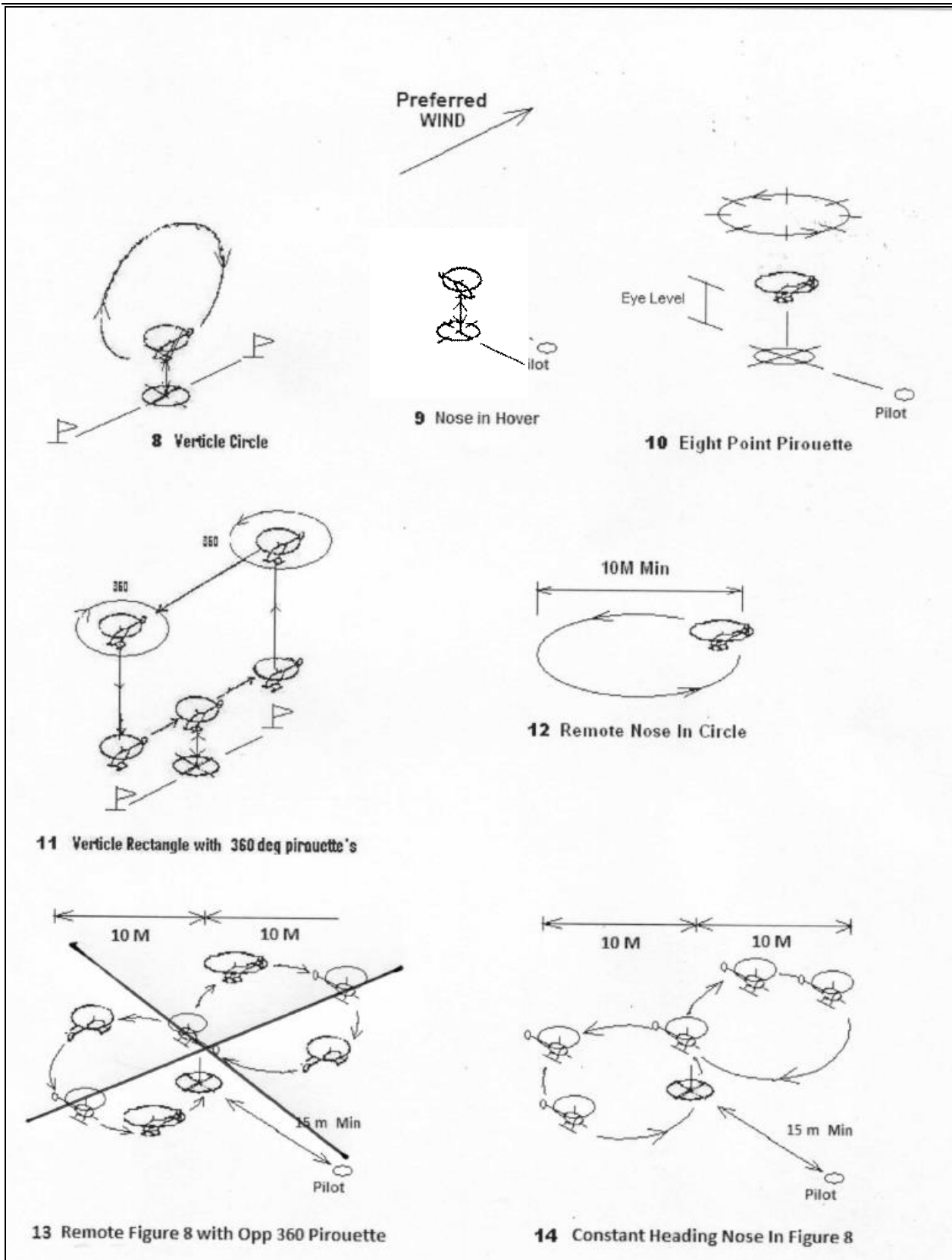
Forward flight and aerobatic manoeuvres are to be completed with the model at least 10 metres in front of the helipad at all times.

At least one week must elapse between testing sessions of a candidate.

Wings to be sent to Pilot? YES / NO (If NO, note address below)
Strike out as applicable

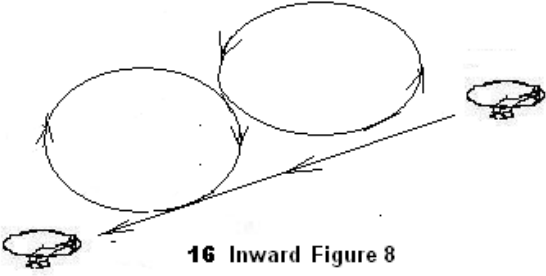
Multicopter Gold Wings Manoeuvres

Note: The helicopter has been retained in these diagrams to indicate the orientation of the multicopter and the direction of the manoeuvre.

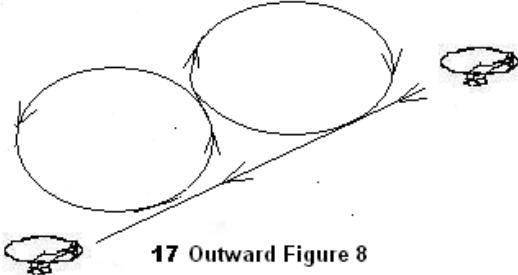


MULTICOPTER GOLD WINGS TEST

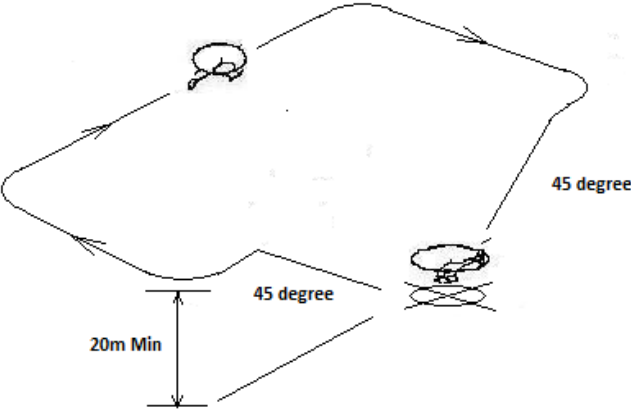
Preferred WIND



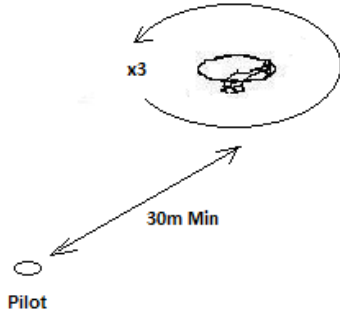
16 Inward Figure 8



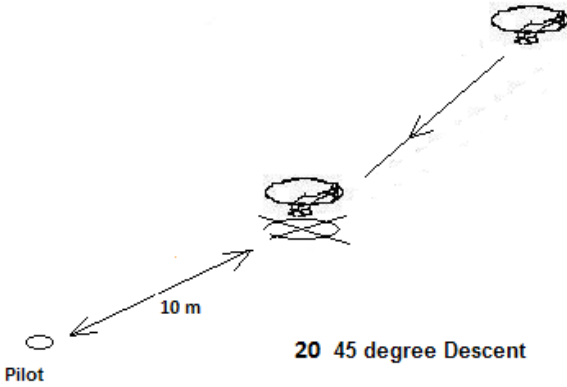
17 Outward Figure 8



18 Rectangular Circuit with Landing



19 3 Revolution Piro then show Orientation



20 45 degree Descent