

NBRMAS Turbine Waiver Application

I _____, wish to apply for a NBRMAS Turbine Waiver.

I confirm that:

- I have successfully completed the qualification test flight for turbine-powered model aircraft under the supervision of the NBRMAS Turbine Waiver Assessor.
- I have successfully completed the requirements listed on page two of this document as proof of compliance with the turbine-powered model aircraft pilot requirements.
- I understand that this waiver is valid only for the calendar year it is issued for and is subject to maintain a high standard of flying and safety
- I hold a BMFA B test for fixed wing aircraft

Signature _____ date _____

This application to be submitted only when both parts are completed

NBRMAS Assessor for turbine waiver holder:

I, _____, as the appointed Turbine Waiver Assessor for NBRMAS confirm that

_____ has successfully performed the turbine qualification flight to an acceptable standard

Signature NBRMAS Turbine Waiver Assessor

Turbine Applicant Flight Demonstrations

Objective: The purpose of the flight test for the turbine applicant to demonstrate their skills, knowledge, and understanding of how to safely operate and fly a turbine model aircraft. The candidate must hold a BMFA B test or equivalent.

Suitable aircraft: This flight can be made either with a suitable high performance model aircraft or in rare cases on Turbine aircraft on a buddy box with the Assessor having the master controller.

Key Elements to be assessed:

Knowledge of safe operation of turbines: The following elements are to be demonstrated through action along with verbal discussion of the element were appropriate.

1. Demonstration of proper turbine ground operations
 - a. Discuss the need to keep the tailpipe area clear of people and flammable items during start, shutdown, and all ground operations.
 - b. Explain the response plan for dealing with an aircraft fire similar to one resulting from a hot start. *Fire extinguisher to be present per AMA safety regulations.*
 - c. Explain the potential for a post crash fire and how to deal with the situation. .
 - d. Explain typical turbine startup procedure, and demonstrate if a turbine aircraft is utilized for flight demonstration.
 - e. Explain typical turbine shutdown procedure, and demonstrate if a turbine aircraft is utilized for flight demonstration.

Flight Skills:

The candidate will be expected to provide a suitable model and demonstrate the following skills

- a. Takeoff, to be held within 10 feet either direction of centreline, with smooth, controlled corrections as necessary.
- b. Horizontal Figure 8. Pilot to hold altitude to within +/- 50 feet during the Figure 8. *This demonstrates skills at both left and right hand patterns and the ability to control the models flight path.*
- c. Perform two aerobatic manoeuvres with combined looping and rolling elements to be selected by the turbine applicant. Examples include Cuban 8, Humpty Bump with ½ roll, or similar manoeuvres. *This demonstrates the general flying skills of the modeller.*
- d. High Speed Circuit of the field performed at a safe high rate of speed. *This demonstrates the ability to control a model aircraft at speed.*
- e. Square Traffic Pattern including a missed approach go-around. This manoeuvre to be in the opposite direction of the takeoff and landing if conditions allow. *This demonstrates the ability to control a model aircraft in the landing approach mode.*
- f. Landing to a complete stop. Again, smooth, controlled corrections to the aircraft's path after touchdown are required. The landing must be completed on the runway.
- g. The pilot will also demonstrate his ability to fly the model in a remote holding pattern to simulate a full size aircraft approaching the flight area.

* At no time during the flight shall the aircraft pass behind the designated safety line or enter a no fly area.