

NBRMAS Turbine Waiver Application

This application to be submitted only when both parts are completed

You need to complete parts 1 and 2 and then pass the completed form to the committee who will decide whether to award a turbine waiver. Note that taking the flight test does NOT constitute acquiring a waiver as the waiver is issued by the committee not the assessors.

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.
- The waiver will be valid for ONE to THREE** years as determined by the committee.
- It is subject to maintaining a high standard of flying and safety. It may be revoked by the committee if these standards are not maintained.
- I hold a BMFA B test (or recognized equivalent) for fixed wing aircraft
- I have completed the 'New Member' probationary period
- It is also hoped that the holder of the Jet Waiver will put something back into the club by, for example, mentoring fellow less skilled/experience club members towards a 'B' certificate, or some basic aerobatics or helping with the training scheme. The idea is that the club benefits as a whole from having jet flying taking place.
- I will inform the committee if a long term condition arises that may affect my ability to fly safely. The committee will then decide on the action to be taken, the committee will try to accommodate the applicant's interests in its decision but safety has to be the primary consideration.

Signature _____ date _____

Once you have completed this part of the form you need to arrange to take your jet waiver assessment flight test. This test DOES not involve using a gas turbine model

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. Satisfactory Safety Record _____
and Committee approval Signature NBRMAS Safety Officer

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 and has completed the 'New Member' probationary period. It is intended that the 'first time' applicant applies for a Turbine Waiver before he/she purchases the turbine model and equipment.

Suitable aircraft: This flight can be made either with a suitable high performance model aircraft or, (subject to prior agreement), in very 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
2. Discuss the need to keep the tailpipe area clear of people and flammable items during start, shutdown, and all ground operations.
3. 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.*
4. Explain the potential for a post crash fire and how to deal with the situation. .
5. Explain typical turbine startup procedure, and demonstrate if a turbine aircraft is utilized for flight demonstration.
6. 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 Centre line, 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.

Waiver Validity

**** All turbine waivers will expire the 30th June of the expiry year. The Committee will decide the appropriate period of validity at the time the application is assessed. This has been done so that the turbine waiver expiry occurs in the summer, the best time to revalidate the turbine waiver.**

Limitation of Numbers The Committee may limit the number of Jet Waivers issued in the interests of the general club membership. This will be to ensure that all members have 'equal opportunity' to fly.