AMA
ACADEMY OF MODEL AERONAUTICS

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Academy of Model Aeronautics 5161 E. Memorial Dr. Muncie IN 47302 | (765) 287-1256 | modelaircraft.org

Rotary Wing - Turbine Waiver Application

I _____, state as follows:
Name of Applicant

1. I am currently a member in good standing of the Academy of Model Aeronautics.
2. I have accomplished at least 50 flights of a high-performance model as defined in Section 24 of the AMA Gas Turbine Program.
3. I am familiar with the requirements of the AMA Gas Turbine Program.

_____ _____ _____
Signature AMA Number Date

Attestation by Experienced Turbine Pilot:

I, _____, am currently a member in good standing of the Academy of Model Aeronautics and an experienced turbine pilot. I have a turbine waiver on file with the AMA. I hereby attest that _____ has successfully performed the turbine qualification flight outlined on page two of this document.

_____ _____ _____
Signature AMA Number Date

Attestation by Experienced Turbine Pilot with Helicopter CD designation:

I, _____, am currently a member in good standing of the Academy of Model Aeronautics, a Designated Helicopter Contest Director, and an experienced turbine pilot. I have a turbine waiver on file with the AMA. I hereby attest that _____ has successfully performed the turbine qualification flight outlined on page two of this document.

_____ _____ _____
Signature AMA Number Date

❑ I have personally observed the applicant fly high-performance aircraft in the past and waived the required buddy box flight, in accordance with the current Gas Turbine Program. _____.
Initials of one of the above experienced turbine pilots

Submit completed application to AMA, Attn. Turbine Waiver, 5161 E. Memorial Dr., Muncie IN 47302, or email to turbines@modelaircraft.org. There is a $35 processing fee for new applications.
Please plan accordingly! It may take up to 10 business days to process your application. Questions? Call AMA at (765) 287-1256, ext. 121.

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Turbine Applicant Flight Demonstration

Objective: The purpose of the flight test is for the applicant to demonstrate their skills, knowledge, and understanding of how to safely operate and fly a turbine model helicopter.

1. **Preflight**
    a. Pilot demonstrates knowledge of helicopter specific systems
    b. Pilot demonstrates proper inspection of aircraft

2. **Turbine Starting**
    a. Pilot demonstrates knowledge of ground support equipment
    b. Pilot demonstrates knowledge of abort procedures
    c. Pilot demonstrates knowledge of and performs safe engine start

3. **Precision Hovering**
    a. Smoothly lift off and perform tail-in hover out of ground effect
    b. Perform right or left pirouette to side position
    c. Continue pirouette to nose in position
    d. Complete with pirouette to opposite side and back to tail-in for landing
    e. All positions must be held a minimum of 10 seconds

4. **Forward Flight**
    a. Smoothly lift off and perform stable tail-in hover out of ground effect
    b. Perform pirouette to either direction and begin climb-out
    c. Continue climb-out demonstration smooth transition to forward flight
    d. Demonstrate transition from forward flight to stable tail-in hover

5. **Horizontal Figure 8**
    a. From forward flight begin turn from either direction to initiate horizontal 8
    b. Complete 8 with approximating crossings, and symmetrical ovals
    c. Perform smooth transition from forward flight to landing

6. **High Performance Turns**
    a. Perform two high performance turns from both directions
    b. Demonstrate ability to perform high speed positional flight

7. **Auto-Rotation**
    a. Perform two successful auto-rotations from a minimum 30ft altitude
    b. Primary auto performed at the time and direction of pilot's choosing
    c. Secondary auto performed at the discretion of the Turbine CD

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