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

Fixed 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 CD status:

I, _____, am currently a member in good standing of the Academy of Model Aeronautics, an AMA 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 Waiver Qualification Flight Checklist

Pilot Requirements

□ AMA Member	□ Familiarity with Gas Turbine Program
□ 50+ flights on high performance models	□ Buddy-box flight of applicant & model by supervising pilot.*

*Perform if not previously accomplished

Airframe Requirements

Powered by single: □ production turbine □ kit-built turbine □ non-production turbine □ not excluded

□ Installed thrust < 50 lbs	□ Failsafe shuts down engine within 2 seconds
□ Kerosene, diesel, and/or propane fuel	□ No afterburner
□ Rigid fuel tanks (no plasma bags)	□ Special controls have proof of Mfr support/training
□ Two fuel shut-off provisions	□ Engine certified as safe if previously crashed

Category-specific Requirements:

Fixed-wing & Turboprop:	Rotary-wing	Control-line
□ Stops on level hard surface	□ Governed for rotor head speed	□ 55 lb pull test
□ Controllable rudder(s)	□ Throttle kill or clutch system	□ Turbine restraining cable
□ Meets min. weight requirements (dry)	□ Powered by turbine or >.060 cu in engine	□ Weight < 20 lbs (wet)
□ Speed > 75 mph (turbo-prop) or 100 mph (fixed-wing)	□ Speed >50 mph forward flight	

Ground Operation Skills

□ B/C fire extinguisher present for all engine starts □ Water-based fire-fighting equipment present on the field

Post-crash fire response: □ Fire department contact number □ Fire-fighting equipment available

Explain and Demonstrate:

□ Turbine setup	□ Response to hot starts	□ Typical maintenance
□ Fueling/de-fueling procedure	□ Response to in-flight fire	□ Effect of turbine lag
□ Startup procedure	□ How to do emergency shutdown	
□ Response to failed starts	□ Shutdown/cooldown procedure	

Pre-Flight Briefing

□ Expectations, duration, and performance standards,
□ Any special notes about the field, airspace, safety line, crash and recovery plan, etc.
□ Communication on the flight line with questioning/commentary while flying.
□ If asked to land, Applicant will comply or relinquish control to an Experienced Turbine Pilot.

Flight Skills*

□ Takeoff (+/- 10 ft of center)	□ High speed circuit
□ Horizontal 8 (+/- 50 ft altitude)	□ Square traffic pattern
Combined rolling/looping maneuver 1:_____	□ Missed approach (from opposite direction if possible)
Combined rolling/looping maneuver 2: _____	□ Landing (full stop on runway)

*At no time during the flight shall the model pass behind the designated safety line

Post-Flight Briefing

□ Outcome of the flight(s) □ Any areas that need improvement □ Answer any questions by the Applicant

If Applicant successful, complete Turbine Waiver Application (next page)

Remind Applicant:
□ To submit completed application to AMA
□ Completed application is temporary proof of waiver until new AMA card is received
First 5 turbine solo flights must be: □ Airspeed limited to < 175 mph
□ Turbine flights limited to single engine aircraft
□ Supervised by an experienced turbine pilot with turbine shutdown authority