MAAC Turbine Operator Certificate (TOC) Questions
Alan Blore, Jet Committee Chairman, October 16, 2022

The following questions constitute the required content in the Q+A section of the MAAC TOC process. The examiner shall provide any answers necessary to correct applicant's responses afterwards, <u>not before</u>.

The following questions are to be asked of the applicant:

Question:
- Explain the appropriate precautions to be taken on the ground with onlookers, spotters, and other jet pilots relating to:
  - (1) Turbine exhaust flow
  - (2) Turbine intake suction
  - (3) Sound generation

Question:
- Explain the necessary precautions a pilot must take with respect to fire prevention, and what equipment a pilot should have on hand as a minimum for fire containment as a result of a crash.

Question:
- Discuss current FAA/AMA requirements as they apply to RPAS operation in the USA.

- Explain the AMA's rules with respect to turbine modeling as they apply to:
  - (1) Aircraft Weight (wet or dry?)
  - (2) Speed
  - (3) Failsafe delay time limit

(Note: See AMA document 510-A for details and the full AMA turbine rules list…)
(Note: See AMA document 520-A for details on aircraft weight limits.)

Question:
- Explain how to configure the failsafe operation in your turbine(s) (applicant should know how to do this on all brands they own)

If the examiner is in doubt, they may ask the applicant to demonstrate their failsafe operation by switching off the transmitter while the turbine is running.

Question:
- Explain how to start your turbine(s) and list precautions to be aware of.

Question:
- Explain the reasonable options for shutting down your turbine(s), in regular or emergency situations.

Question:
- Explain what should be done if an accident occurs in the US which:
    - (1)　　Involves an injury or property damage.
    - (2)　　Does not involve an injury or property damage.

Note: MAAC members flying in the US should make a habit of carrying an incident report form at all times. If / when it's needed, it may be very difficult to get a hard copy. Store a blank form in your transmitter box, for example.

Question:
- Give a few reasons why a pilot might choose <u>not</u> to fly on any given day, at a jet rally, etc…