

Miccar Aerial

S2R – T34 Conversion Course



Course Syllabus

**Revised
January 2016**



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S2R-T34 Turbine Transition Course

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COURSE OUTLINE

It is imperative that from the very first contact with Miccar Aerial, the vital importance of safety as the number one priority is stressed again and again. Throughout the course the primary focus will be upon developing safe and effective operating techniques including standardized ground and flight procedures using a PT6A-34AG turbine engine installed in a Thrush 510P.

Central to the program is training on all aspects of operation of a turbine engine. This course takes a graduated approach that moves from basic engine operation to final phase where members are tasked to operate the aircraft and engine within the limitations as specified in the aircraft flight manual while conducting normal Ag operations.

Course materials provided:

- S2R-T34 Aircraft Flight Manual
- Aircraft Checklist
- Miccar Turbine Conversion Members Manual

A. Ground Training

- a. An introductory briefing on agricultural turbine aircraft operations, with a specific emphasis on safety.
- b. A detailed look at turbine powered propulsion systems on ag aircraft and their operational characteristics and limitations.
- c. A thorough review and familiarization of the S2R-T34 flight manual including limitations, normal, emergency procedures, weight and balance and performance.
- d. Familiarization of the Pratt & Whitney PT6A-34AG engine, systems and procedures including, preflight inspections, starting, instrument indications and interpretations.
- e. Initial familiarization with the Electronics International MVP engine indication and monitoring system.
- f. Walk around inspection and familiarization of the external and internal components of the aircraft and its systems.
- g. A review of working at an uncontrolled aerodromes.
- h. Completion and review of an exam covering all phases of the transition program.

B. Flight Training

Flight training will be approximately 5 hours broken up into 5 flights. Each flight will be approximately one hour and will be preceded with a thorough briefing with goals and minimum performance requirements desired, and followed by a thorough debrief.