

**TRAINING PLAN FOR TRANSITION TO HIGH PERFORMANCE AIRPLANES
AC 61-98A Appendix 4**

Name: _____ Date: _____

Grade of Certificate: _____ Certificate No.: _____

Ratings and Limitations: _____

Class of Medical: _____ Date of Medical: _____

Total Flight Time: _____

Aircraft to be Used (Make & Model): _____ N#: _____

Location of Training: _____

GROUND INSTRUCTION:

Subjects covered should include, but are not limited to:

I. AIRPLANE POH/AFM REVIEW

- A. General Description and Safety Features
- B. Limitations

II. AIRPLANE SYSTEMS INCLUDING NORMAL, ABNORMAL, AND EMERGENCY PROCEDURES.

- A. Flight Instruments, Avionics, and Autopilot (if appropriate)
- B. Controls and Trim Controls
- C. Powerplant(s)/Propeller(s)
- D. Fuel (C182 – Rubber bladders, killer caps, vent overflow, uneven fuel flow)
- E. Landing Gear
- F. Flaps
- G. Electrical
- H. Hydraulic
- I. Environmental
- J. Pressurization
- K. Ice Protection
- L. Oxygen

III. FLIGHT PLANNING CONSIDERATIONS SPECIFIC TO AIRPLANE TO BE USED

- A. Performance Data (sample problem)
- B. Weight and Balance (at single pilot light weight, max gross weight with empty and full fuel)
- C. Review of Instrument Procedures Appropriate to Avionics Capability of the Aircraft (if the pilot is instrument rated)
- D. Minimum Equipment List (if applicable), additional required instruments.
- E. Servicing Requirements
- F. Aircraft Data Sheet
- G. Checklist

IV. CHECKLIST AND OPERATIONAL PROCEDURES

- A. Review of Operational Considerations for High Performance Airplanes in Airport Traffic Patterns
- B. Review Local Departure and Arrival Procedures
- C. Review Procedures for Each Maneuver to be accomplished
- D. Proper procedure for power / prop speed changes.
- E. Leaning and use of EGT
- F. Shock Cooling
- G. Use of Cowl Flaps
- H. Carb Icing (C182 prone – no rpm drop indication at cruise - partial carb heat OK)

Hours of Ground Instruction Completed: _____

FLIGHT INSTRUCTION: (refer to the applicable PTS)

Maneuvers and procedures accomplished should include, but are not limited to:

I. PREFLIGHT INSPECTION

II. CHECKLIST AND PRESTART PROCEDURES

III. STARTING ENGINE(S)

- A. Battery Starts
- B. External Power Starts (may be by accomplished by simulated demonstration)

IV. NORMAL DEPARTURE OPERATIONS

- A. Taxiing - Emphasis on Directional Control Procedures Which May Require the Use of Techniques Unfamiliar to the Pilot
- B. Pretakeoff Checks
- C. Normal Takeoff
- D. Climb - Emphasis on Collision Avoidance and Appropriate Power and Prop Settings
- E. Cruise - Checklist Completion and Cockpit Resource Management. Leaning / Power-Prop settings

V. AIR WORK

- A. Constant Altitude Turns
- B. Flight at Critically Slow Airspeeds
- C. Stall Recognition and Recovery in all Applicable Configurations
- D. Emergency Operations of All Systems (in accordance with manufacturer's recommendations)
- E. Engine-out Procedures (if in a multiengine airplane)
- F. Recovery from Unusual Attitudes by Reference to Instruments
- G. Simulated Emergency Descent / Landing

VI. NORMAL ARRIVAL OPERATIONS

- A. Descent and In-Range Checklist Procedures. – Shock cooling avoidance.
- B. Normal Landings.

VII. PATTERN WORK

- A. Crosswind, Short, and Soft-Field Takeoffs and Landings
- B. Go-Arounds
- C. Aborted Takeoff
- D. Zero / Full Flap Landings
- E. Engine-out Procedures (if in a multiengine airplane)
- F. Power off Landing

VIII. INSTRUMENT APPROACH, DEPARTURE, AND EN ROUTE PROCEDURES (if instrument rated)

IX. AFTER LANDING AND POSTFLIGHT PROCEDURES

Hours of Flight Instruction Completed: _____

OVERALL COMPLETION OF TRANSITION TRAINING:

Remarks: _____

CFI Signature / Certificate No.: _____ Expiration Date: _____

I have received transition training to high performance airplanes and completed the ground and flight training noted above.

Pilot Signature: _____ Date: _____