

kGBR Complex Endorsement Syllabus

Pilot's Name:

Completion Date:

CFI's Signature:

Introduction

The complex endorsement is done in our Piper Arrow III. The Piper Arrow is a true four-place airplane with retractable landing gear, a constant speed propeller and flaps. With a Lycoming IO-360 engine of 200 hp it cruises at ~130 knots. Equipped with a GNS430 (non-WAAS), it's a great IFR/go-place airplane.

14 CFR 61.1(b)(3): Definition of "complex airplane"

Complex airplane means an airplane that has a retractable landing gear, flaps, and a controllable pitch propeller, including airplanes equipped with an engine control system consisting of a digital computer and associated accessories for controlling the engine and propeller, such as a full authority digital engine control; or, in the case of a seaplane, flaps and a controllable pitch propeller, including seaplanes equipped with an engine control system consisting of a digital computer and associated accessories for controlling the engine and propeller, such as a full authority digital engine control.

14 CFR 61.31(e): Additional training required for operating complex airplanes

1. Except as provided in paragraph (e)(2) of this section, no person may act as pilot in command of a complex airplane, unless the person has —
 - Received and logged ground and flight training from an authorized instructor in a complex airplane, or in a flight simulator or flight training device that is representative of a complex airplane, and has been found proficient in the operation and systems of the airplane; and
 - Received a one-time endorsement in the pilot's logbook from an authorized instructor who certifies the person is proficient to operate a complex airplane.
2. The training and endorsement required by paragraph (e)(1) of this section is not required if the person has logged flight time as pilot in command of a complex airplane, or in a flight simulator or flight training device that is representative of a complex airplane prior to August 4, 1997.

Complex Maneuvers & Tasks

Task	✓	Date
Pre & Post Flight Inspection		
Cockpit Familiarization		
Airplane POH Review (Limitations & Performance)		
Start-Up/Taxi/Run-Up		
Checklist Usage		
Take-off, Climb, Cruise and Descent Power Management		
Short-field TOL		
Steep Turns		
Slow Flight		
Stalls (Power On/Off/Accelerated)		
Go-Arounds		
Descent & Approach Planning		
Power Off Approaches		
Propeller Governor Failures/Overspeed		
Manual Gear Extension		
Recovery from Unusual Attitudes		
Approaches, holds and tracking of nav signals (if IFR rated)		
Complex Airplane Systems (Powerplant, Fuel System, Propeller, Landing Gear, Environmental, Electric Trim, Engine Cooling Systems)		
Avionics (Garmin 430 (VFR/IFR))		

Additional Limitations and/or Privileges