

kGBR High Performance Endorsement Syllabus

Pilot's Name:

Completion Date:

CFI's Signature:

Introduction

The high performance endorsement is done in our Piper Dakota. The Piper Dakota is a true four-place airplane with a constant speed propeller and flaps. With a Lycoming O-540 engine and 235 hp it cruises at ~130 knots. Equipped with a GNS530W, GNS430W (WAAS), and S-Tec 55 autopilot, it's a great IFR/go-place airplane.

14 CFR 61.31(f): Additional training required for operating high-performance airplanes

1. Except as provided in paragraph (f)(2) of this section, no person may act as pilot in command of a high-performance airplane (an airplane with an engine of more than 200 horsepower), unless the person has:
 - Received and logged ground and flight training from an authorized instructor in a high-performance airplane, or in a flight simulator or flight training device that is representative of a high-performance 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 high-performance airplane.
2. The training and endorsement required by paragraph (f)(1) of this section is not required if the person has logged flight time as a pilot in command of a high-performance airplane, or in a flight simulator or flight training device that is representative of a high-performance airplane prior to August 4, 1997.

High Performance 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		
Approaches, holds and tracking of nav signals (if IFR rated)		
Recovery from Unusual Attitudes		
Approaches, holds and tracking of nav signals (if IFR rated)		
High Performance Airplane Systems (Powerplant, Fuel System, Propeller, Environmental, Electric Trim, Engine Cooling Systems)		
Avionics (Garmin 530 & 430 (VFR/IFR))		
Autopilot (S-Tec 55)		
InSight Engine Monitor		
Electrical Back Up Bus		
Carberator Ice Detector		

Additional Limitations and/or Privileges