

PAVE: Abbreviation for Pilot, Aircraft, Environment and External Pressures. The pilot should assess the risks associated with each aspect of the flight and make an informed decision regarding the safe conduct of the flight.

Note: In order to take the Stage II Check the student MUST have taken and passed the FAA Knowledge Test. The Chief Instructor may approve exceptions.

When the student shows up for the Stage II Check, he/she should have a completed flight plan, completed flight log, W&B, and current weather on the Jeppesen flight log form. The student should also have a current AFD, sectional and TAC chart appropriate for the route of flight. If the flight portion is to be completed on the same day, the weather information must also be completed. If the ground portion is scheduled a day or more before the flight portion, then the weather part of the flight log may be left blank (as well as the crosswind computations) until the flight part of the test. The student should also have an FTN from IACRA.

Oral test subjects:

Airworthiness (how often are inspections required and for what capability)

Flight Planning (using the prepared Jeppesen Nav/Log, NO COPIES!)

Filing, Opening and Closing a Flight Plan (use prepared flight plan)

Weather represented on flight log

Sectional(s) and TCA with route clearly marked and referenced

Weight and Balance (implications of being outside the envelope)

Weather

Graphic weather produces used and understanding symbols

Text weather (METAR, TAF, FD, Airmets, Prog Chart, NOTAMs)

Weather prepared for the flight on the nav log.

Sectional Chart Knowledge and Symbols

Symbols along the route of flight

Airspace with corresponding cloud clearance and visibility requirements

Flight Plan as marked

Assessment of Checkpoints

Operational Considerations

Change in weather

Weather en-route

Take off and landing parameters

When to lean

Use of checklists

Lost Procedures (when are you lost, what do you do)

Talk through a competent GO/NO GO decision using PAVE.

How to execute a diversion

Explanation of short and soft field TO/L

## Flight Profile

**Syllabus:** PP Flight Lesson 20

**Flight Lesson:**

**Student:**

**Objectives:** To determine if the student can demonstrate proficiency to conduct solo cross country operations as well as performance takeoffs and landings.

**Homework:** Review all previous material. Schedule an aircraft for 2.5 hours and allow an additional hour for oral quizzing.

### Flight Plan

#### ACTION

##### Ground:

Review of flight plan

National Airspace System

Weather Information

Use of checklists

Respond to oral questions

##### Preflight:

Obtain Weather

Conduct risk assessment for the flight (PAVE)

Calculate weight and balance

Conduct a preflight inspection

##### Flight:

Engine start, taxi and radio communications

Before takeoff check, normal/Crosswind take off

Departure and course interception

VOR Navigation

Pilotage and Ded Reckoning

Power settings and mixture control

Leaning criteria and procedures

Diversion to alternate

Short and soft field takeoffs and landings

Power on Stalls with turns

Power off Stalls with turns

Normal/Crosswind Landing

##### Post Flight

Parking and servicing airplane

Securing Aircraft

Lesson Review.

**Aircraft Performance Review**

Vx: \_\_\_\_\_ Vy: \_\_\_\_\_ Vso: \_\_\_\_\_ Best Glide: \_\_\_\_\_

**Performance**

Pressure Alt: \_\_\_\_\_ Temperature: \_\_\_\_\_ Density Altitude: \_\_\_\_\_

Takeoff Parameters and Distance: \_\_\_\_\_

Accelerate/Stop Distance: \_\_\_\_\_

Climb Parameters and Performance: \_\_\_\_\_

Landing Parameters and Distance: \_\_\_\_\_

**Weather:** 1 800-992-7433

Briefing Elements

- |                              |                    |
|------------------------------|--------------------|
| 1. Pilot Rating (w/ VFR/IFR) | 5. Route of Flight |
| 2. A/C Tail Number:          | 6. Destination:    |
| 3. Departure Airport:        | 7. Altitude:       |
| 4. ETD and ETE:              | 8. Type of Brief:  |

**Standard Brief from FSS:**

Adverse Conditions:

VFR Recommendation:

Synopsis:

Current Conditions:

Forecast Conditions:

Winds Aloft	LOC	30	60
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NOTAMS: