

Stage III - Instrument Rating

Flight Lesson 25

Leading Edge Aviation
Version 2012

Lesson Objective:

- Perform an IFR cross-country over 50 nautical miles from the original point of departure, becoming familiar with IFR flight planning and IFR departure, enroute, and arrival procedures.
- Review the appropriate emergency procedures for enroute IFR operations.

Review:

Satisfactory

Needs Improvement

IFR Cross-Country Flight Planning

Weather Information Related to IFR Cross-Country Flight _____ _____

Aircraft Performance, Limitations, and Systems Related to IFR Cross Country _____ _____

Enroute Chart Interpretation _____ _____

Navigation Log and Flight Plan Completion _____ _____

Filing an IFR Flight Plan _____ _____

ATC Clearance

Clearance Copying and Readback _____ _____

Departure Procedures and Clearances _____ _____

Use of SIDs and ODPs _____ _____

IFR Cross-Country Flight

VOR Enroute Navigation _____ _____

GPS Enroute Navigation (based on aircraft equipment) _____ _____

Calculating ETEs and ETAs _____ _____

Use of Radar _____ _____

Radio Communications _____ _____

Enroute Procedures and Clearances _____ _____

Arrival Procedures and Clearances _____ _____

Use of Standard Terminal Arrivals (STARs) _____ _____

Holding _____ _____

Canceling an IFR Flight Plan _____ _____

Single-Pilot-Resouce Management _____ _____

Aeronautical Decision Making _____ _____

Approach Procedures

VOR Approaches (As Needed) _____ _____

GPS Approaches (As Needed) _____ _____

NDB Approaches (As Needed) _____ _____

ILS Approaches (As Needed) _____ _____

Localizer Approaches (As Needed) _____ _____

Missed Approach Procedures _____ _____

Partial Panel Approaches _____ _____

Simulated Emergency Procedures

Loss of Communications _____ _____

Loss of Primary Flight Instrument Indicators _____ _____

Partial Panel Flight _____ _____

Systems and Equipment Malfunctions _____ _____

Airframe and Powerplant Icing _____ _____

Turbulence _____ _____

Diversion _____ _____

Low Fuel Supply _____ _____

Engine Failure _____ _____

Completion Standards:

- The student will exhibit knowledge of the procedures involved in cross-country planning, filing IFR flight plans, and obtaining IFR clearances.
- The student will demonstrate a basic understanding of the various emergency procedures.

Pre _____, Post _____, PIC _____, Dual _____, Inst. _____, XC _____, Solo _____, Night _____, Day Land _____, Night Land _____

Aircraft Tail # _____

Instructor _____

Date _____

Student _____

Date _____