

Stage III - Instrument Rating

Flight Lesson 24

Leading Edge Aviation

Version 2012

Lesson Objective:

- The student should be introduced to IFR cross-country procedures by conducting an IFR cross-country over 50 nautical miles from the original point of departure with an emphasis on planning and departure procedures.
- The student should develop an understanding of the appropriate emergency procedures for enroute IFR operations.

Review:

Satisfactory

Needs Improvement

VOR Approaches (As Needed)	<input type="checkbox"/>	<input type="checkbox"/>
GPS Approaches (As Needed)	<input type="checkbox"/>	<input type="checkbox"/>
NDB Approaches (As Needed)	<input type="checkbox"/>	<input type="checkbox"/>
ILS Approaches (As Needed)	<input type="checkbox"/>	<input type="checkbox"/>
Localizer Approaches (As Needed)	<input type="checkbox"/>	<input type="checkbox"/>
Missed Approach Procedures	<input type="checkbox"/>	<input type="checkbox"/>
Partial Panel Approaches	<input type="checkbox"/>	<input type="checkbox"/>

Introduce:

IFR Cross-Country Flight Planning

Weather Information Related to IFR Cross-Country Flight	<input type="checkbox"/>	<input type="checkbox"/>
Aircraft Performance, Limitations, and Systems Related to IFR Cross Country	<input type="checkbox"/>	<input type="checkbox"/>
Enroute Chart Interpretation	<input type="checkbox"/>	<input type="checkbox"/>
Navigation Log and Flight Plan Completion	<input type="checkbox"/>	<input type="checkbox"/>
Filing an IFR Flight Plan	<input type="checkbox"/>	<input type="checkbox"/>

ATC Clearance

Clearance Copying and Readback	<input type="checkbox"/>	<input type="checkbox"/>
Departure Procedures and Clearances	<input type="checkbox"/>	<input type="checkbox"/>
Use of SIDs and ODPs	<input type="checkbox"/>	<input type="checkbox"/>

IFR Cross-Country Flight

VOR Enroute Navigation	<input type="checkbox"/>	<input type="checkbox"/>
GPS Enroute Navigation (based on aircraft equipment)	<input type="checkbox"/>	<input type="checkbox"/>
Calculating ETEs and ETAs	<input type="checkbox"/>	<input type="checkbox"/>
Use of Radar	<input type="checkbox"/>	<input type="checkbox"/>
Radio Communications	<input type="checkbox"/>	<input type="checkbox"/>
Enroute Procedures and Clearances	<input type="checkbox"/>	<input type="checkbox"/>
Arrival Procedures and Clearances	<input type="checkbox"/>	<input type="checkbox"/>
Use of Standard Terminal Arrivals (STARs)	<input type="checkbox"/>	<input type="checkbox"/>
Holding	<input type="checkbox"/>	<input type="checkbox"/>
Canceling an IFR Flight Plan	<input type="checkbox"/>	<input type="checkbox"/>
Single-Pilot-Resource Management	<input type="checkbox"/>	<input type="checkbox"/>
Aeronautical Decision Making	<input type="checkbox"/>	<input type="checkbox"/>

Simulated Emergency Procedures

Loss of Communications	<input type="checkbox"/>	<input type="checkbox"/>
Loss of Primary Flight Instrument Indicators	<input type="checkbox"/>	<input type="checkbox"/>
Partial Panel Flight	<input type="checkbox"/>	<input type="checkbox"/>
Systems and Equipment Malfunctions	<input type="checkbox"/>	<input type="checkbox"/>
Airframe and Powerplant Icing	<input type="checkbox"/>	<input type="checkbox"/>
Turbulence	<input type="checkbox"/>	<input type="checkbox"/>
Diversion	<input type="checkbox"/>	<input type="checkbox"/>
Low Fuel Supply	<input type="checkbox"/>	<input type="checkbox"/>
Engine Failure	<input type="checkbox"/>	<input type="checkbox"/>

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_____