

Stage II - Private Pilot Ground Lesson 9

Chapter 7, Interpreting Weather Data

Leading Edge Aviation

Version 2015

Student Name _____

Lesson Objective:

- Learn how to obtain and interpret weather reports, formats, and graphic charts.
- Become familiar with the sources of weather information during preflight planning and while in flight.
- Recognize critical weather situations described by weather reports and forecasts.

Academic Content:

Section A - The Forecasting Process

- Forecasting Methods
- Types of Forecasts
- Compiling and Processing Weather Data
- Forecasting Accuracy and Limitations

Date Completed _____

Time _____

Section B - Printed Reports and Forecasts

- Aviation Routine Weather Report (METAR)
- Radar Weather Reports
- Pilot Weather Reports
- Terminal Aerodrome Forecast (TAF)
- Aviation Area Forecast
- Winds and Temperatures Aloft Forecast
- Severe Weather Reports and Forecasts
- AIRMET/SIGMET/Convective SIGMET

Date Completed _____

Time _____

Section C - Graphic Weather Products

- Surface Analysis Chart
- Weather Depiction Chart
- Radar Summary Chart
- Satellite Weather Pictures
- Low-Level Significant Weather Prog
- Convective Outlook Chart
- Forecast Winds and Temperatures Aloft Chart
- Volcanic Ash Forecast and Dispersion Chart

Date Completed _____

Time _____

Section D - Sources of Weather Information

- Preflight Weather Sources
- In-Flight Weather Sources
- Enroute Flight Advisory Service
- Weather Radar Services
- Automated Weather Reporting Systems

Date Completed _____

Time _____

Completion Standards:

- Demonstrate understanding during oral quizzing by instructor at completion of lesson.
- Complete with a minimum score of 80%: questions for Chapter 7 Sections A, B, C, and D. Review with the instructor each incorrect response to ensure complete understanding before taking the Stage II Exam in Ground Lesson 10.

I certify that the aforementioned training has been conducted and/or received in accordance with Leading Edge Aviation Standards and the current 141 approved Jeppesen Private Pilot Syllabus.

Instructor _____

Date _____

Student _____

Date _____