## **Stage III - Instrument Rating Ground Lesson 20**

## **Leading Edge Aviation**

Version 2012

Note: Students should read Chapter 9, Section A and B prior to Ground Lesson 20.

Lesson	Ohi	iectiv	ρ.
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· Become familiar with the factors affecting weather patterns and weather hazards related to flight operations.

Academic Content:					
Section	Section A - Weather Factors				
	The Atmosphere				
	Atmospheric Circulation				
	Pressure and Wind Patterns				
	Moisture, Precipitation, and Stability	tability			
	Types of Clouds				
	Airmass				
	Fronts				
	High Altitude Weather				
Section	n B - Weather Hazards				
	Thunderstorms				
	Thunderstorm Avoidance				
	Low Level Turbulence				
	Turbulence				
	Wake Turbulence				
	Clear Air Turbulence				
	Mountain Wave Turbulence				
	Reporting Turbulence				
	Wind Shear				
	Low Visibility				
	Volcanic Ash				
	loing				
	Hydroplaning				
	Cold Weather Operations				
Date Cor	ompleted	Time			
Compl	<del>_</del>	eather hazards during oral quizzing by the instructor at completion of lesson. and B with a minimum passing score of 80%, and the instructor reviews incorrect he student progresses to Ground Lesson 21.			
	that the aforementioned training has been conducted and Jeppesen Private Plot Syllabus.	d/or received in accordance with Leading Edge Aviation Standards and the current 141			
Instructo	or	Date			
Student_		Date			