



SUMMARY

This course covers flight operations where windshear is a factor.

Windshear weather phenomena, including thunderstorms, microbursts and clear-air turbulence (CAT) are discussed. The course includes windshear recognition and recovery techniques and precautions for windshear avoidance.

A windshear-related accident is profiled.

The course is available in versions for Airbus and Boeing aircraft, showing aircraft instrumentation for each type.

TARGET POPULATION

The Pelesys Windshear course is designed for Professional Pilots requiring initial or recurrent training.

REGULATORY COMPLIANCE

- ICAO / EASA / FAA / Transport Canada
- Maintain compliance with IOSA standards

Versions Available:
Standard

Course Length:
45 min

LESSON 01: Basic Concepts

In this lesson we cover:

- Definition of windshear
- Thunderstorms
- Microbursts
- Increasing and decreasing shear
- Dry and wet microbursts
- Frontal systems
- Jet streams
- Geographic effects

LESSON 02: Windshear Recognition and Avoidance

In this lesson, we cover:

- Windshear recognition
- Low level windshear
- Techniques for windshear avoidance
- Onboard windshear warnings
- Weather reports and forecasts
- Precautions for operating in areas where windshear is a factor
- Procedures for recovery from windshear situations
- Increasing and decreasing windshear characteristics

LESSON 03: Windshear Accident Profile

In this lesson, we cover:

- Analysis of windshear related factors – USAir 1016 (1994)

LEARNING TIME AND RUN TIME

This course has a learning time of: (run time plus additional time per page to account for understanding learning points)

- 45 min

This course has a run time of: (the base time for each page to be completed)

- 19 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Basic Concepts	17
Windshear Recognition and Avoidance	9
Windshear Accident Profile	0
	26

REFERENCE MATERIAL

This course is based upon information contained in the following documents:

FAA

- FAA: AC 120-50A Guidelines for Operational Approval of Windshear Training Programs

ICAO

- ICAO: Doc 9817 Manual on Low-level Wind Shear

The operator remains responsible for obtaining approval from the regulatory authority.

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