

WIND SHEAR

PILOT SPECIALTY COURSE SERIES

SUMMARY

Covers flight operations where wind shear is a factor. Wind shear weather phenomena, including thunderstorms, microbursts and clear-air turbulence (CAT) are discussed. The course includes wind shear recognition and recovery techniques and precautions for wind shear avoidance. A wind shear-related accident is profiled. The course is available in versions for Airbus and Boeing aircraft, showing aircraft instrumentation for each type.



TARGET POPULATION

Experienced Airline Pilots

Great for pilots requiring initial or recurrent training.



REGULATORY COMPLIANCE*

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



DELIVERY MODE

100% online, self-guided



COURSE LENGTH

1 hour

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LESSON 1: Basic Concepts

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

LESSON 2: Wind Shear Recognition and Avoidance

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

LESSON 3: Wind Shear Accident Profile

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

For more information on the different courses for specific aircraft, please contact us.

* Operator is responsible for obtaining approval from the regulatory authority.

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