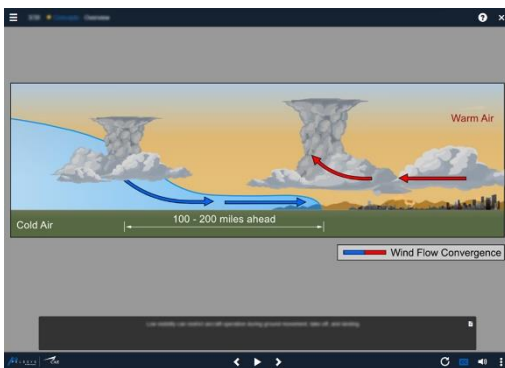


SUMMARY

This course covers the weather effects and aviation hazards associated with thunderstorms and microbursts.

The course starts with a detailed explanation of types of thunderstorms, thunderstorm formation and microbursts. The second part of the course focuses on related hazards and techniques (including use of airborne weather radar) for thunderstorm avoidance.

The final part of the course is a review of an aircraft accident which occurred in Toronto Canada in 2005 resulting from flight into a thunderstorm.

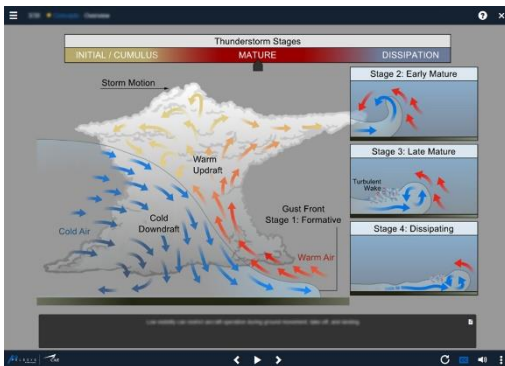


TARGET POPULATION

The Pelesys Thunderstorm Avoidance 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:
1 hr 00 min

LESSON 01: Thunderstorms and Microbursts

In this lesson we cover the weather and aviation hazards associated with Thunderstorms and Microbursts, including:

- Types of Thunderstorms
- Life Cycle of a Thunderstorm
- Microbursts

LESSON 02: Thunderstorm Avoidance

In this lesson we will cover:

- Hazards to flight operations that are associated with thunderstorms
- Some effective techniques (including use of airborne weather radar) for thunderstorm avoidance

LESSON 03: Thunderstorm Accidents

In this lesson we cover an accident resulting from flight into a thunderstorm:

- Air France 358, an A340 which overran the end of the runway in Toronto, Canada
- Air France 447, an A330 which crashed in to the Atlantic Ocean

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)

- 1 hr 00 min

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

- 27 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Question Total
Thunderstorm and Microbursts	18
Thunderstorm Avoidance	13
	31

REFERENCE MATERIAL

The Pelesys Thunderstorm Avoidance Course provides pilots and dispatch specialists with information on thunderstorm life cycles, and strategies to mitigate the risks associated with operations in the vicinity of convective weather. It is based on information outlined in:

ICAO / EASA

- ICAO Doc 9385 Manual of All Weather Operations

FAA

- AC 00-30C
- AC 00-24C

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

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