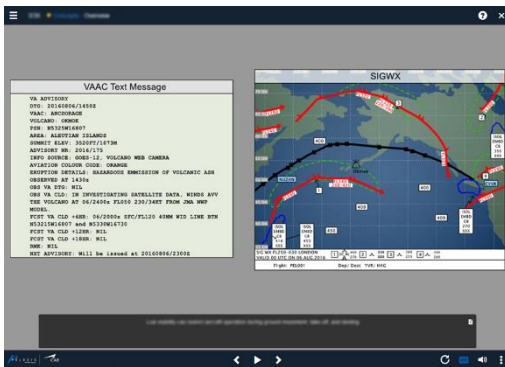


SUMMARY

This course covers volcanic ash and the associated hazards to flight, including:

- a description of ash formation and composition
- advisories and reporting procedures
- techniques for avoiding volcanic ash
- procedures to be followed if ash is encountered

Details of two volcanic ash encounters and their consequences are also discussed.

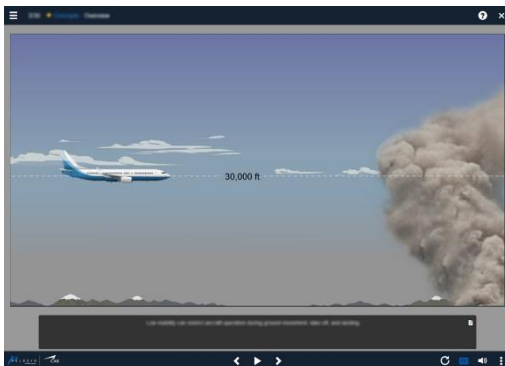


TARGET POPULATION

The Pelesys Volcanic Ash 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: Volcanic Ash Formation / Hazards

In this lesson we cover:

- Ash formation
- Ash composition
- Vertical and horizontal movement
- Airborne hazards
- Ground hazards

LESSON 02: Advisories and Reports

In this lesson, we cover:

- International Airways Volcanic Watch (IAVW)
- Volcanic Ash Advisory Centers (VAACs)
- PIREPS

LESSON 03: Avoidance / Inadvertent Encounter Procedures

In this lesson, we cover:

- SIGMETS / NOTAMS
- Ash avoidance strategies and techniques
- Alternate routing
- Wind considerations
- Weather radar limitations
- Inadvertent entry
- Incident reporting
- Standard Operating Procedures (SOPs)

LESSON 04: Incidents / Examples

In this lesson we cover two volcanic ash encounters:

- British Airways Flight 9 (1982)
- KLM Flight 867 (1989)

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)

- 21 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Volcanic Ash Formation / Hazards	5
Advisories and Reports	6
Avoidance / Inadvertent Encounter Procedures	4
	15

REFERENCE MATERIAL

The Pelesys Volcanic Ash Course provides information to pilots and dispatcher about the risks associated with operations in the vicinity of volcanic ash, including recognition and escape strategies. This course is based on information contained in:

EASA:

- ED Decision 2011/014/R - Volcanic Cloud Contamination; Rulemaking Task Force
- CRD 2011-17 ED Decision 2013/010/R 17 June 2013 Adopting Amendment 13 of the Certification Specification for Large Aeroplanes 'Incorporation of generic SC and AMC CRIs in CS25' and on 'Volcanic ash'

FAA:

- FAA - JO 7210.785 - Volcanic Ash
- FAA - JO 7210.839 - AvMet Volcanic Ash
- U.S. GEOLOGICAL SURVEY—REDUCING THE RISK FROM VOLCANO HAZARDS
- Boeing – Safe, Efficient Flight Operations in Regions of Volcanic Activity
- FAA AIM – 7.5.9

ICAO:

- ICAO Doc 9974 – Flight Safety and Volcanic Ash
- EUR Doc 019 – Volcanic Ash Contingency Plan – Europe and North Atlantic Regions Ed. 2.0.0 July 2016
- IATA Fact Sheet Volcanic Ash

TC:

- TP 690 – Section V – Volcanic Ash
- A.I.M. Met 2.5
- TP 12513 - Study and Reference Guide - Flight Dispatchers – Section 7.7

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

[Click to request more information](#)