

VOLCANIC ASH

PILOT SPECIALTY COURSE SERIES

SUMMARY

Covers volcanic ash and the associated hazards to flight. The course includes a description of ash formation and composition, advisories and reporting procedures, techniques for avoiding volcanic ash and procedures to be followed if ash is encountered. Details of two volcanic ash encounters and their consequences are discussed.



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

VOLCANIC ASH

PILOT SPECIALTY COURSE SERIES

LESSON 1: Volcanic Ash Formation / Hazards

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

LESSON 2: Advisories and Reports

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

LESSON 3: Avoidance / Inadvertent Encounter Procedures

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

LESSON 4: Incidents / Examples

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

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

EMBRY-RIDDLE
Aeronautical University™
WORLDWIDE

OFFICE OF PROFESSIONAL EDUCATION