



SUMMARY

This course is an introduction to Safety Management Systems. Included are concepts of organizational accidents, human error and safety cultures, and identification, analysis and documentation of safety hazards.

Specific concepts of Risk Management associated with airline applications of Safety Management Systems are emphasized.

TARGET POPULATION

The Pelesys Safety Management Systems course is designed for Flight Crew, Cabin Crew, Maintenance Engineers and Operational Staff including Performance Engineers, Dispatchers, Traffic Managers, Check-in staff, and Ground Handlers requiring initial or recurrent training.

REGULATORY COMPLIANCE

- ICAO Safety Management Manual (Doc 9859) and ICAO Standards and Recommended Practices (SARPs)
- EASA / FAA / Transport Canada

Versions Available:
Standard

Course Length:
1 hr 35 min

LESSON 01: Safety Overview

In this lesson we cover:

- Evolution of safety thinking
- The need for Safety Management Systems
- ICAO recommendations
- Organizational accidents
- Latent conditions
- Defences
- Workplace conditions
- Active failures
- Proactive and reactive reporting
- Predictive safety procedures
- Safety models
- Reason's model
- SHEL model
- Human error
- Error reduction
- Safety cultures

LESSON 02: Hazard Identification and Reporting

In this lesson, we cover:

- Hazards and consequences
- Hazard identification
- Hazard analysis
- Examples
- Hazard documentation

LESSON 03: Risk Management

In this lesson, we cover:

- Hazards and consequences
- Hazard identification
- Hazard analysis
- Examples
- Hazard documentation

LESSON 04: SMS and Airline Operation

In this lesson, we cover:

- Safety performance indicators
- Safety reporting
- Flight operations
- Flight data monitoring
- Line operations safety audits
- Cabin safety
- Managing safety in aircraft maintenance
- Fatigue risk management
- SMS and regulation

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 35 min

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

- 33 min

Exam Generation System (EGS) Banked Questions

The total amount of banked questions for this course is:

Lesson Title	Standard Questions
Safety Overview	9
Hazard Identification and Reporting	7
Risk Management	5
SMS and Airline Operations	8
	29

REFERENCE MATERIAL

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

TC

- Transport Canada CAR 107

FAA

- FAA AC 120-92B

ICAO

- ICAO Doc 9859 – Safety Management Manual
- UK CAA CAP 1180 - State Safety Program

EASA

- EASA SSP/SMS
- Regulation (EU) 290/2012
- Regulation (EU) 965/2012

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

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