



Safety Management System (SMS) for Airlines

5-day classroom course (40 hours)

Implementation of SMS became mandatory for airline international operations in November 2006. Since then, the airline community has developed considerable experience and acquired important “lessons learned” regarding both SMS implementation and operation. However, most training currently available for the airline community still relies on content developed to satisfy early SMS implementation requirements. This course reflects progress on SMS practical knowledge as well as conceptual thinking since 2006, both resulting from shared industry experiences, including the latest requirements regarding safety culture and the enhanced protection for safety data and safety information included in the second edition of Annex 19.

Objectives

Upon completion of this course you will be able to:

Summarize the fundamental safety management concepts that sustain the operation of an SMS

Establish the priorities for safety mitigation based on the evaluation of safety risk

Develop strategies for safety risk mitigation using safety risk profiles as a frame of reference

Develop the building blocks for the implementation and operation of an effective airline employee safety reporting program

Develop strategies for safety risk mitigation using safety risk profiles as a frame of reference

Explain the requirements to achieve compliance with ICAO Annex 19 and IOSA SMS standards

Target audience

- Airline operations managers
- Corporate and operational safety managers, analysts, coordinators
- Postholders
- Quality managers

Key topics

- Levels of safety risk decision making
- Importance of an evidence-based allocation of resources
- Safety deficiency, hazard, potential consequence and safety risk
- Steps involved in monitoring safety performance
- Safety risk profiles
- Safety reporting program

Activities

- Interactive exercises
- Role play
- Case studies
- Final assessment

Prerequisites

Participants should have basic knowledge of operational safety. If you don't have knowledge of Safety Management System concepts, we recommend that you take the [IATA Safety Management Systems Fundamentals e-learning](#) before this course.

Recommended level

- Intermediate

Certificate awarded

An IATA Certificate is awarded upon successful completion of the course and final examination.

Table of contents

Fundamental safety management concepts that sustain the operation of an SMS

- Safety management and accident prevention
- Relationship between compliance and performance-based approaches to safety management
- Steps to manage safety as a business function
- Importance of an evidence-based allocation of resources

Priorities for safety mitigation based on the evaluation of safety risk

- Safety deficiency, hazard, potential consequence and safety risk
- Activities for safety risk evaluation under the Safety Risk Management component of an SMS
- Data sources and evaluate their quality for risk management

Strategies for safety risk mitigation using safety risk profiles as frame of reference

- Steps involved in safety performance management (SPM)
- Safety risk profiles as repositories of safety management corporate memory
- Relationship between safety risk profiles and safety risk mitigation
- Safety risk profiles development

Implementation and operation of an effective airline employee safety reporting program

- Managing a safety reporting program
- The protection of safety data and information

Requirements to achieve compliance with ICAO Annex 19 and IOSA SMS standards

- ICAO requirements regarding SMS included in Annex 19 – Safety Management
- IOSA's importance and contribution to SMS implementation
- Role of Safety Risk Management (SRM) and Safety Assurance (SA) within SMS
- Contents of different categories of safety management training

Final assessment

