

# Developing Risk Assessment Strategies – 2 Days

## Introduction

Aviation operates within one of the most dynamic and high-stakes environments in the world. The complexity of its systems and the pressures placed on both organizations and individuals to perform consistently and efficiently can be immense. These demands heighten the importance of a structured, proactive approach to managing risk.

As ICAO aptly notes: *"The risks and costs in commercial aviation necessitate a rational process for decision-making. On a daily basis, operators and managers make decisions in real-time, weighing the probability and severity of any adverse consequences implied by the risk against the expected gain of taking the risk. This process is known as risk management."*

At the heart of any Safety Management System (SMS) is the ability to identify hazards and control risk effectively. Risk assessment is not merely a regulatory requirement-it is a foundational pillar of informed safety decision-making and organizational protection.

This two-day course is designed to equip delegates with tools and insights for identifying hazards and conducting meaningful risk assessments within their operational environment.

## Who is the course for?

This course is designed for professionals involved in risk management who are looking to strengthen their skills in hazard identification and risk assessment. It is especially valuable for safety managers, compliance officers, quality assurance personnel, project managers, and others working in high-risk, regulated environments such as aviation, healthcare, engineering, and finance - where effective risk evaluation and control are essential to operational success.

## What is the Benefit of this Training – What will I learn?

- Gain practical skills to identify, analyze, and evaluate risks within an operational context
- Learn to develop and implement effective strategies for risk control and mitigation
- Build a tailored risk assessment framework suited to your organization's needs
- Apply concepts through interactive exercises and real-world case studies to reinforce learning

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<b>Date</b>	On Demand
<b>Category</b>	Personal Development
<b>Venue</b>	On Demand
<b>Level</b>	Basic
<b>Price</b>	On Demand

## Detailed Content / Topics - The following Subjects will be addressed

Introduction  
Abbreviations & Definitions  
The Evolution of Safety Thinking  
The Risk Management Process in a Safety Management System  
Considering the Information Available to the SMS  
Considering Compliance, Conformance, and Performance Auditing  
CMS & SMS Relationship Challenges and Misconceptions  
Safety Culture and Risk Assessment  
Human Factors and Risk Management  
Practical Safety Auditing Techniques  
What is a Hazard? - Understanding the Nature of Risk  
Practical Understanding of the Role of Root Cause  
Additional Practical Techniques for Determining Root Cause  
The Role of Process Failure Mode and Effects Analysis (PFMEA) in Aviation System Root Cause Analysis.  
Risk Assessment & Risk Management  
Advanced Risk Analysis  
Safety Risk Management  
Qualitative or Quantitative Risk Assessment  
Developing Risk Control Measures  
SMS Return On Investment  
The Hidden Costs of Failed Safety Systems  
Optional Workshop Tasks  
Debrief

## Target Groups

This course is especially beneficial for SMS Managers, Quality Managers, and other key stakeholders within the organization who need the knowledge and skills to manage risk assessment strategies or perform risk assessments in the workplace. It also suits operational and line managers involved in hazard identification and control, as well as anyone supporting safety decision-making.

## Pre-requisites

To get the most from this training, participants should have a background in the aviation environment and a solid understanding of ICAO's Safety Management System (SMS) principles and structure, along with familiarity with operational safety concepts and terminology.

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## Learning Objectives

- Understand the principles of hazard identification and risk assessment within an Aviation SMS
- Apply risk assessment techniques effectively in real-world aviation contexts
- Manage and implement risk assessment strategies across the organization
- Integrate risk assessment outcomes into safety management and decision-making processes

## What do People Say about Sofema Aviation Services Training?

*"I found satisfying answers to all my questions."*  
*"The instructor demonstrated a very deep knowledge of the subject."*  
*"The length of the course fits my needs and expectations."*  
*"The content was really effective, I gained a lot of new knowledge."*  
*"The practical examples were perfectly delivered."*

## Duration

2 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.  
To register for this training, please email [team@sassofia.com](mailto:team@sassofia.com) or Call +359 28210806

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