

# Safety Management Systems – Aviation Risk Management – 5 Days

## Introduction

The core requirement for an SMS is an effective method of identifying and controlling risk. The need to identify and control risk by making appropriate recommendations to business owners regarding the optimum mitigation becomes a key element in providing protecting to the organization.

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.

Therefore the ability to understand exposure and to analyse root causes are without doubt essential skills for auditors and managers alike.

We should understand and agree that whereas Quality is essentially looking at compliance, Safety is looking at Risk. Therefore Safety Management Systems should focus extensively on the analysis of the data derived from the contributing elements of the various impacted areas.

The Safety Management System identifies as an essential goal, the improvement of the Safety Performance. In so doing the SMS aims to deliver an improvement in the risk exposure.

This course focuses on all elements associated with the understanding and optimisation of the hazard identification and risk management process. Delegates will understand industry best practice of optimisation and analysis of SMS risk control systems.

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

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

### Day 1

1. General Introduction
2. Contents
3. Definitions and Abbreviations
4. General Introduction, Evolution of Safety Thinking
5. Sharing our SMS Understandings
6. ICAO Annex 19 & Components of an SMS System
7. EASA – SMS Introduction
8. EASA Airport SMS Overview
9. What is the current Status of the SMS within our Organisation & Where are the Challenges?
10. What does it Mean Working within an EASA Organisational SMS Structure
11. The Difference between Safety Assurance and Quality Assurance

### Day 2

12. Quality Auditing of Safety Management Systems (Compliance Auditing of Performance System)
13. Safety Auditor Competences
14. Practical Safety Auditing Techniques
15. Techniques for Advanced Safety Auditing –DATA Driven
16. Assessing SMS Communication Tools
17. Auditing the Impact of Safety Culture on SMS
18. Delivering Safety Improvements through Cultural Change
19. General Introduction to Safety Reporting

### Day 3

20. Safety Management System Occurrence Reporting Considerations
21. Considering the Challenges to Effective Reporting
22. Auditing Change Management across the Business
23. Practical Understanding of the role of Root Cause
24. Identification of Root Cause
25. Root Cause – Understanding the Different Role Between Quality & Safety
26. Using Root Cause Analysis to Drive an Effective Safety System
27. Additional Practical Techniques for Determining Root Cause

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### Day 4

- 28. Human Factors Considerations Related to Root Cause
- 29. Understanding the Nature of Risk in the Aviation System
- 30. To Consider How we Manage a Hazard Identification Process
- 31. Safety Culture and Risk Assessment
- 32. How we Measure and Categorize Risk
- 33. Explores the concept of risk as a matter of perspective, and the interaction of consequences and likelihood to determine risk.
- 34. Recognition and Ongoing Management of Threats
- 35. Safety Performance Targets (SPT), Alert Levels and Safety Performance Indicators (SPIs): The Performance-Based SMS

### Day 5

- 36. Effective Marketing and Raising Awareness
- 37. SMS Return On Investment & The Hidden Costs of Failed Safety Systems
- 38. Developing the Training Program – Managing Initial and Recurrent Training
- 39. Developing SMS Management and Supporting Documentation
- 40. To Consider the Best Process for Optimizing Risk Assessment Techniques
- 41. Emergency Response and the Integration within SMS
- 42. Considering Aviation Safety System Performance Indicators
- 43. Reviewing Safety Policies and Objectives within an Evidence Based Environment
- 44. How to Evaluate the Organization Data Capture and Data Analysis Processes
- 45. Debrief

## Target groups

This training is highly relevant for SMS Managers, Quality Managers and other Stakeholders in the organization who need to have deep appreciation of the safety audit process, a necessary background and skills to manage the Risk Assessment Strategies or perform Risk assessment in the work place.

## Pre-requisites

A background or understanding of Aviation Quality and Safety Systems will be an advantage

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## Learning Objectives

After the course the delegate should be able to:

- Understand the practical challenges to deliver effective Safety Audits and SMS risk based analysis
- Deal effectively with the cross department issues
- Manage and perform the Risk Assessment Techniques and Strategies using organisation tools.

The intention of this training is not to tick the regulatory box but to identify the significant issues which need to be addressed.

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

- "The instructor used the right words to explain the material."*
- "The discussions among the group were very beneficial."*
- "The instructor showed very resourceful background and experience."*
- "All sections of the course were related to my field."*
- "Adequate answers were given to specific questions."*

## Duration

5 days – The training will commence 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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