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 protection 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 analyze 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 optimization of the hazard identification and risk management process. Delegates will understand industry best practices of optimization and analysis of SMS risk control systems.

Who is the course for?

This course is aimed at aviation professionals, including pilots, air traffic controllers, and aviation safety managers, who want to enhance their understanding of safety management systems and risk management in the aviation industry. The course provides comprehensive training on identifying and mitigating risks, developing effective safety strategies, and implementing safety management systems to ensure safe and efficient aviation operations.

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Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	On Demand

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

The participants will learn essential concepts and principles related to safety management systems and risk management in the aviation industry. They will gain knowledge and skills in identifying and assessing aviation risks, implementing risk mitigation strategies, and effectively managing safety incidents and accidents. Additionally, participants will understand regulatory requirements, industry best practices, and the importance of a proactive safety culture in maintaining safe aviation operations.

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 to work 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

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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 Roles Between Quality & Safety
26. Using Root Cause Analysis to Drive an Effective Safety System
27. Additional Practical Techniques for Determining Root Cause

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's Data Capture and Data Analysis Processes
45. Debrief

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Target Groups

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

Pre-requisites

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

Learning Objectives

After the course the delegate should be able to:

– Understand the practical challenges to delivering 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 organization 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?

"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

5 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.
To register for this training, please email team@sassofia.com or Call +359 28210806

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