

# Aviation SMS Safety Risk Management – 3 Days

## Introduction

Often the root cause or contributing factors are embedded within the organisations process and procedures.

Unfortunately with hindsight we are often able to understand the existence of numerous latent “exposures”, (sometimes too late!)

If a major contributing factor to most unwelcome events then is to be found within the organisation, it should follow that it is the organisation itself that has the “power” to effect a control of the exposure by removing or reducing the exposure (mitigation).

During this course we share both the value and importance of developing the best safety management system which we can develop, and in so doing will deliver real and tangible benefits to the organisation.

We have looked at the regulations driving an SMS and should understand that the SMS is a national obligation based on the need to demonstrate compliance with ICAO

Throughout the course we focus on best practice and the need for an effective understanding regarding industry and organisational best practice to help us embrace the various SMS challenges which face an CAT AOC holder.

## Who is the course for?

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.

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

- Understand the various techniques for building a Risk-Based Auditing Program
- Gain a fundamental understanding of the principles to be found within a regulatory risk and performance-based oversight system.
- Develop a detailed understanding of the roles and responsibilities related both to the Compliance Oversight and Risk-Based Oversight systems.
- Understand the management of Performance Standards and how they may be developed within your organization.
- Learn the do's and don'ts of Aviation Risk-Based Performance Audit Best Practices – what works Best –Why & How?

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

### Day 1

Introduction (Considering The Need For Aviation Safety Management Systems)

Abbreviations & Definitions

Sharing our SMS Understandings

Working Within an EASA Organisational SMS Structure

SMS Risk Assessment – Challenges

Basic Principles of Human Performance in an Operational Environment – People or Environment?

Operational Human Performance Considerations

Operational Errors and Consequences

Operational Violations – The Underlying Message

Enduring Safety Management Principles

Understanding the Nature of Risk in the Aviation System

Considering Operational Systems Exposures

SMS Exposure – How to Measure Risk

Exercise 1 Safety Risk Evaluation

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### Day 2

Safety Risk Management - Root Cause Considerations  
Managing a Hazard Identification Process  
SMS System Description for Risk Management  
Business Risk Management Principles  
Exercise 2 – Operational System Considerations  
Safety Risk Management – Advanced Processes, Activities and Tools  
Hazard Identification and Analysis  
Performing a Safety Risk Assessment  
Exercise 3 Safety Assessment

### Day 3

Safety Performance Monitoring  
Considering EASA Recommendations Related to Aviation Risk Based Oversight  
Considering Aviation Safety System Performance Indicators  
SPT - Alert Level - SPI  
Change Management  
The Relationship Between Safety Risk Management and Safety Assurance  
Exercise 4 Safety Assessment  
Final Exam & Debrief

## Learning Objectives

To provide attendees with:

- Identify Specific issues which are related to both the organisational and Industry in General, particularly related to subcontract activity.
- Consider opportunities to generate organisational efficiencies driven by the SMS.

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## Learning Objectives

To consider the Benefits of Introducing SMS

- To provide Senior Management with full awareness of the key risks or exposures of the business.

- The ability to Mitigate or control the potential "safety threats".

A clear and concise organisational process which is documented and can be used as an educator for our staff.

- The active involvement of all the staff in safety.

- The mechanism whereby the Senior Management can demonstrate effective oversight and management of its risks.

## Target Groups

SMS Managers, Quality Managers and other Stakeholders in the organization

## Pre-requisites

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

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

*"Very informative and very good knowledge of the instructor."*

*"Instructor is very experienced and shares even more than expected with us."*

*"This training helped me to develop some new skills."*

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## Duration

3 days – Each training day will start at 09.00 and finish at 17.00, with appropriate refreshment breaks.

Sofema Aviation Services offers a flexible approach to developing all in-company training courses which are specific to the client's needs. If you would like additional information concerning how course content may be configured to be more appropriate for your organisation please email [team@sassofia.com](mailto:team@sassofia.com)



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