

# SMS Hazard Identification & Risk Management – 3 Days

## Introduction

Aviation is an incredibly complex business environment. Demands placed on the organization and individuals to deliver are often considerable, and place a burden on key individuals.” 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.” – ICAO

The core requirement for an SMS is an effective method of identifying and controlling risk, and an essential element of safety management is the process of risk assessment. The need to identify and control risk is key to protecting the organization and this two-day course will provide the delegates with an understanding of how to identify hazards within their own workplace and to evaluate these hazards to produce a risk assessment. During the course delegates will work through several examples with the emphasis on group work and discussion to evaluate the differences of opinion, which may come into risk assessment.

## Who is the course for?

It is for persons who are actively involved in the management or Interaction or the organisations SMS including Quality Audit Staff, Nominated Persons, and business process owners, as well as anyone with an interest to achieve an effective understanding of the SMS Hazard Identification & Risk Mitigation processes.

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

- a) To be able to explain the organisation SMS methodology related to Hazard Identification and Risk Mitigation.
- b) To understand the mechanism whereby the Senior Management can demonstrate effective oversight and management of its risks.
- c) To be able to actively engage in the Process of Hazard Identification & Risk Management
- d) To understand the methodology used to mitigate or control the potential “safety threats by assessing hazards and dealing with the associated risks
- e) Understanding the need to provide Senior Management with full awareness of the key risks or exposures of the business
- f) To develop the ability to Mitigate or control the potential “safety threats.

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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

Introduction

Abbreviations and Definitions

ICAO Annex 19 & Components of an SMS System

EASA – SMS Expectations related to Hazard Identification and Risk Assessment

-QMS & SMS Relationship Challenges and Misconceptions

Typical Measures to Identifying Hazards

How we Measure and Categorize Risk

-The Risk Management Process in a Safety Management System

Explores the concept of risk as a matter of perspective, and the interaction of consequences and likelihood to determine risk

What is the Current Status of the SMS Within our Organisation & Where are the Challenges?

### Day 2

Practical Understanding of the Role of Root Cause

Root Cause – Understanding the Different Roles Between Quality & Safety

Using Root Cause Analysis to Drive an Effective Safety System

Safety Culture and Risk Assessment

Developing Organisational Tools for Analysis

Working with Risk Registers

To consider the best process for Optimizing Risk Assessment Techniques

Safety Culture and Risk Assessment

-Investigation and Analysis Considering Risk and Exposure

### Day 3

Human Factors and Risk Management

To consider how we can optimise our Hazard Identification Process

Contributing Factors and Consequence Analysis

-Approval and Management of Residual SMS Risk

-Safety Risk Control & Mitigation Exercise

Considering Hazards within Change Management

Recognition and Ongoing Management of Threats

Safety Performance Monitoring

Safety Performance Targets (SPT), Alert Levels, and Safety Performance Indicators (SPIs):

Implementing a Performance-Based SMS

Reporting and Internal Investigation

Performing and Managing Investigations with Practical Examples

Examination

Debrief & Close

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## Learning Objectives

The course considers Hazard Identification and Risk Assessment and its direct application within the context of Aviation SMS.

After attending this course the participant should be able to manage and perform the Risk Assessment Techniques and Strategies in the organization.

## Target groups

This course will be of significant benefit to SMS Managers, Quality Managers and other Stakeholders in the organization who need to have the necessary background and skills to manage the Risk Assessment Strategies or perform Risk assessment in the work place.

## Pre-requisites

A background in an aviation environment. A strong familiarity with ICAO SMS and principles and structure.

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

*"Questions were welcomed and immediately answered."*

*"The instructor made sure that every person understood the content of the course."*

*"The presentation of the material was perfect."*

*"The content was explained in detail."*

*"The instructor stayed on one subject until it was cleared for everybody and then moved on"*

## Duration

3 Days – To 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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