

# Aviation System Risk Assessment and Management of Change Workshop – 2 Days

## Introduction

This course is offered as both a recurrent training as well as to enable existing Aviation Stakeholders an opportunity to upskill and engage with a Risk-Based Analysis Process and Management of Change Safety Management System.

EASA is increasingly focusing on the introduction of Performance (Risk) Based Regulation (PBR) as a complement to a Prescriptive (Compliance Based) Regulation.

With the goal of ensuring the best allocation of resources to both understand the risk facing the business together with the development of appropriate mitigations. Organizations need to consider Risk as a component of Change Management Decisions.

Consider the fundamental elements of a Risk-Based Oversight Program together with the value of measuring the organizational effectiveness to meet the objective of driving performance improvements.

Understand best practices for carrying out risk assessments of identified hazards avoiding common pitfalls. How to implement a risk assessment process within the Management of Change Activities.

### Concerning the Management of Change

The management of change should be a documented process to identify the external and internal changes that may have an adverse effect on safety. It should make use of the operator's existing hazard identification, risk assessment, and mitigation processes.

AMC1 ORO.GEN.200(a)(1);(2);(3);(5) Management system states the following:

-NON-COMPLEX OPERATORS — GENERAL

-The operator should manage safety risks related to a change. The management of change should be a documented process to identify external and internal changes that may have an adverse effect on safety. It should make use of the operator's existing hazard identification, risk assessment, and mitigation processes.

AMC1 ORO.GEN.200(a)(3) Management system states the following:

-COMPLEX OPERATORS — SAFETY RISK MANAGEMENT

-The management of change. The operator should manage safety risks related to a change.

tel + 359 2 821 08 06  
email team@sassofia.com

[www.sassofia.com](http://www.sassofia.com)

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

## Who is the course for?

The course is made for personnel involved in risk assessment and the management of change within the aviation industry. It is particularly beneficial for safety managers, risk managers, aviation regulators, and personnel responsible for implementing and overseeing safety management systems (SMS) and operational changes within aviation organizations.

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

### Day 1

EASA Risk-Based Oversight Introduction  
Abbreviations & Definitions  
Understanding the Nature of Risk in the Aviation System  
Key Components and Challenges of an EASA Aviation Risk-Based Oversight System  
Regulatory Risk and Performance-Based Oversight Fundamentals  
Considering EASA Recommendations Related to Aviation Risk-Based Oversight  
Business Risk Change Management Principles  
How to Perform Risk Profiling  
Using SPI's SPTs and KPIs as a Measure of the progress of change.  
Categories of Risk to be Considered Related to Risk-Based Audit  
Risk-Based Internal Audit Methodology Compared to Traditional Audit Approaches  
Organization Data Capture and Data Analysis Process Considerations  
Roles and Responsibilities Related to Risk Communication  
Workshop Activity to Identify Challenges

- Culture
- Commitment
- Constraints
- Other Aspects?

### Day 2

– EASA 6-Step Risk Assessment Process  
ICAO 5 x 5 Risk Assessment Advantages & Disadvantages  
Using Bow Tie Techniques as Part of Risk-Based Management System  
Understand the ARMS Methodology  
Auditing the Management of Change Process for Effectiveness  
Considering the Role of the Risk Register  
Risk Management Software – Developing a Specification  
Exercise to Perform Risk Assessment for a given business

- OPS
- Maint/ CAMO
- ATC /ANS

General Debrief and Review Assessment Reports

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

- a) Understand how the management of change work
- b) Understand the various techniques for building a Risk-Based Management System
- c) Learn how to interpret findings in the context of Risk.
- d) Consider different risk assessment models' advantages and disadvantages
- e) Gain a fundamental understanding of the principles to be found within a regulatory risk and performance-based oversight system.
- f) Develop a detailed understanding of the roles and responsibilities related both to the Compliance Oversight and Risk-Based Oversight systems.
- g) Understand the management of Performance Standards and how they may be developed within your organization.
- h) Understand how to assess the effectiveness of an EASA Management System
- i) Consider the does and don'ts of Aviation Risk-Based Performance and Change Management Best Practices –what works Best –Why & How?

## Learning Objectives

Achieve a full understanding of the key components within a risk-based oversight audit program.

- Understand the different techniques used to consider Risk within the Business
- Be able to engage with the principles of risk Measurement & Mitigation
- Be Able to explain the process of Change Management

## Pre-requisites

A background understanding related to aviation Quality and Safety is Necessary to fully engage with this training as well as an awareness of Basic Risk Management Principles

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## Target Groups

This Course is suitable for Competent Authority Members, Existing Quality & Safety Managers & Auditors as well as other stakeholders interested in the functioning of Risk Based Oversight & Management of Change

## 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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