

Safety Management System (SMS) – How to use Safety Performance Indicators (SPI) to Deliver an Acceptable Level of Safety (ALOS) – 2 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.

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)

We accept that absolute safety is generally an unachievable and very expensive goal, therefore the concept of acceptable safety has been adopted in aviation. The term “acceptable risk” describes an event with a probability of occurrence and consequences acceptable to the society.

Managing Risks in Aviation

“The risks and costs in commercial aviation necessitate a rational process for decision-making.

The term Acceptable Level of Safety (ALoS) defines an aviation service provider’s minimum level of acceptable risk for a given safety issue. “Acceptable” describes the need for no further mitigatory actions on the part of the service provider for the safety concern in question.

Safety performance indicators (SPI’s) should meet quality criteria to assure they are quantifiable, representative to safety performance, comprehensible and can be cost-efficiently used. Developed safety performance indicators should be related to the main operational safety issues.

“You cannot manage what you cannot measure”

The concept of acceptable level of safety is expressed by two specific metrics, namely safety performance targets and safety performance indicators.

This course provides a detailed understanding ALOS and how we can use SPI’s to measure and manage our exposure.

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Who is this course for?

Accountable Managers, Directors, Managers, Safety System Stakeholders. Competent Authority Regulators and Inspectors, Operations Directors, Managers, Supervisors. Quality and Safety Managers and Auditors.

What are the benefits of the training – What will I learn?

- a) Gain a detailed awareness of the philosophy of Safety Risk management
- b) Be able to fully engage with the assessment of Acceptable Level of Safety
- c) Be able to develop Safety Performance Indicators to generate data for managing an effective SMS
- d) Understand Roles and Responsibilities related to the Effective Risk Management of your SMS
- e) Be able to acquire and manage Data within the Organisational Environment

Detailed Content / Topics - The following Subjects will be addressed

- Contents
- Introduction
- Definitions & Abbreviations
- General Introduction & Components of an ICAO SMS
- Review of ICAO SMS Driven Objectives
- Introduction – What is Safety Performance
- Understanding the Nature of Risk in the Aviation System
- Ensuring the Continued Validity of the SMS
- Considering the Difference between AloS and SPI's
- Recognition and Ongoing Management of Threats
- Understanding the Role of Safety Performance Monitoring Within an SMS
- SPT - Alert Level - SPI
- Standard Deviation
- Developing relevant SPIs to meet our Aviation Business Objective & Monitor Safety Performance
- Considering Aviation Safety System Performance Indicators
- How to Evaluate the Organization Data Capture and Data Analysis Processes
- Considering the Reasonably Practical (ALARP) & Acceptable Level of Safety Performance (ALOSP) between AloS and SPI's
- A Practical guide to Implementing and managing SPI's within your organisation
- Generic & Best Practice Principles When Developing Safety Performance Indicators (SPI's)
- Developing Safety Performance Indicators to Reflect Safety Culture and Employee Engagement
- Introduction to Bowtie Risk Assessment Methodology

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Pre-Requisites

A background understanding related to aviation safety is an advantage, specific SMS competencies are not essential.

Learning Objectives

- Understand the Process of Managing SPI within your Organisation
- Understand the purpose and methodology of measuring performance within your SMS
- Be able to fully engage with all effective process for the implementation of a fully compliant SMS achieving an acceptable level of Safety

What do People Say about Sofema Aviation Services Training?

"The content of the course will be very useful for my future practices."

"All my expectations are met."

"The course really contributed to expanding my knowledge in that area."

"The instructor really added up to me understanding the topic."

"The presentation made the material so much more comprehensible."

Duration

2 Days – To commence 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

To register for this training, please email team@sassofia.com or Call +359 28210806

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