

Aviation Safety Performance Monitoring (SPI)

Amsterdam (Netherlands)

21 - 25 April 2025

UK Training

PARTNER



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Code: AV28 From: 21 - 25 April 2025 City: Amsterdam (Netherlands) Fees: 4700 Pound

Introduction

Welcome to the Aviation Safety Performance Monitoring SPI course! In this comprehensive program, we will delve into the critical aspects of monitoring safety performance within the aviation industry. Safety Performance Monitoring is a vital practice that ensures the continuous improvement of safety standards, identifies potential risks, and enhances the overall safety culture within aviation organizations.

Objectives

- **Understand the Importance of Safety Performance Monitoring:** Gain insights into the significance of safety performance monitoring in the aviation industry, its impact on safety management systems, and its role in preventing accidents and incidents.
- **Learn Key Concepts and Terminology:** Familiarize yourself with essential concepts, terminologies, and methodologies related to safety performance monitoring, such as Safety Performance Indicators SPIs, Key Performance Indicators KPIs, and safety data analysis.
- **Explore the Regulatory Framework:** Gain an understanding of the regulatory framework governing safety performance monitoring in aviation, including international standards and guidelines set by organizations such as the International Civil Aviation Organization ICAO and national aviation authorities.
- **Identify Safety Performance Indicators:** Learn how to identify and select appropriate Safety Performance Indicators SPIs based on organizational objectives, industry best practices, and safety data analysis techniques.
- **Establish Safety Performance Monitoring Systems:** Discover the process of establishing effective safety performance monitoring systems within aviation organizations, including data collection, analysis, reporting, and feedback mechanisms.
- **Analyze Safety Data:** Acquire the necessary skills to analyze safety data effectively, interpret trends, and identify potential safety issues or areas of improvement using statistical and analytical tools.
- **Develop Actionable Safety Improvement Plans:** Explore strategies for developing actionable safety improvement plans based on the insights gained from safety performance monitoring, including risk mitigation measures, training programs, and organizational changes.
- **Enhance Safety Culture:** Understand the connection between safety performance monitoring and fostering a positive safety culture within aviation organizations, including promoting reporting and learning from safety events.



Course Outline

Day 1

- Introduction to Safety Performance Monitoring
- Importance and Benefits of Safety Performance Monitoring
- Regulatory Framework and Standards

Day 2

- Key Concepts and Terminology
- Safety Performance Indicators SPIs vs. Key Performance Indicators KPIs
- Data Collection and Management

Day 3

- Selecting Appropriate Safety Performance Indicators SPIs
- Defining SPI Thresholds and Targets
- Data Analysis Techniques

Day 4

- Safety Performance Monitoring Systems
- Reporting Mechanisms and Feedback Loops
- Case Studies and Best Practices

Day 5

- Safety Data Analysis Tools and Methods
- Developing Actionable Safety Improvement Plans
- Enhancing Safety Culture through SPI



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