

Using Bowtie Techniques for Aviation SMS Risk Assessment & Management – 1 Day

Introduction

The Bowtie Technique for Hazard and Risk Assessment and Management provides an effective tool which enables hazard scenarios to be presented in an easily understandable way with visualisation which helps to understand how hazards may escalate and also how they may be effectively managed.

This 1-day intensive course is designed to share with the delegates the methodology to understand the construction and analysis of Bow Ties and the technique of employing qualitative risk assessment processes and practices. Delegates will have the opportunity to perform several bowtie exercises in order to gain real experience using Bowties.

Making it Real!

The client is encouraged to provide typical hazard data – possibly from the risk register to provide data to use during the course.

Who is the course for?

This training is highly relevant for safety and quality assurance auditors Manager as well as business area stake holders who need to have a deep appreciation of the safety risk management process.

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Date	On Demand
Category	Personal Development
Venue	On Demand
Level	
Price	On Demand

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

Effective risk assessment: Participants will learn how to apply bowtie techniques to assess and analyze risks in aviation Safety Management Systems (SMS). This enables organizations to identify potential hazards, their consequences, and implement proactive measures to mitigate risks effectively.

Enhanced risk management: By understanding bowtie techniques, participants will gain the skills to develop robust risk management strategies. This includes identifying and implementing controls, monitoring their effectiveness, and continuously improving the risk management process.

Comprehensive understanding of bowtie methodology: The course offers a deep understanding of the bowtie methodology and its application in the aviation industry. Participants will learn how to create bowtie diagrams, interpret them, and utilize them as practical risk management tools.

Detailed Content / Topics – The following Subjects will be addressed

- Why Bowties?
- Bowtie Definitions and Nomenclature
- Risk Management Principles
- Understanding the link between Hazards and Risk
- History and Current Use
- The Principles of the Bowtie Methodology
- Bowtie Concepts used for Hazard Identification
- Bow Tie Construction Step by Step
- Barrier-based theory
- Bow Tie Case Studies using Co Data
- Group Debrief and Close

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Target groups

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Pre-requisites

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

Learning Objectives

- To understand the fundamentals of Hazards, Risk Assessment methodologies and the role of Mitigation
- To provide a detailed understanding of the methodology of working with Bowties
- To understand how to perform and work with Barrier Based SMS Risk Management Techniques

What do People Say about Sofema Aviation Services Training?

"The instructor used the right words to explain the material."

"The discussions among the group were very beneficial."

"The instructor showed very resourceful background and experience."

"All sections of the course were related to my field."

"Adequate answers were given to specific questions."

Duration

1 Day – To commence at 09.00 and finish at 17.00, with appropriate refreshment breaks.

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

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