

# Developing Maintenance Error Management Systems (MEMS) in a Part CAMO Environment– 3 Days

## Introduction

With the introduction of Safety Management Systems within the CAMO environment we have the opportunity to benefit from the use of Maintenance Error Decision Aid (MEDA) process as a reactive & proactive tool within our CAMO Environment

MEDA was developed by Boeing and is a proven and effective tool, for not only investigating the various causal factors, but in also developing potential "what if " and other proactive scenarios which will lead the safety practioners to the development of appropriate mitigations.

The basic MEDA philosophy is based on an understanding that people do not intentionally make errors and that organizational factors play a significant and contributory role. Use of the MEDA Tool Kit will also benefit Risk Based Analysis Techniques to support the analysis of potential exposure.

- It is also widely recognized that the majority of causal and contributory factors leading to an error can be managed.

- In addition, developing root cause understandings, leads to a wider and more effective mitigation process.

This training takes the understanding of the entire MEDA process to a deeper level enabling use within the CAMO environment so that following the training the Delegate will be able to:

- a) Develop comprehensive understandings of the MEDA process
- b) Understand effective techniques for training your own employees in the implementation of MEDA systems.
- c) Undertake Case Study analysis and practice completion of the MEDA Results form and Interview Process

Developing Maintenance Error Management Systems (MEMS) in a Part CAMO Environment is a 3 day industry specific training aimed at CAMO Management, as well as Quality and Safety Personnel who have responsibility for implementing, managing or training Incident and Accident investigation and mitigation processes.

## Who is the Course for?

The course will be of interest to everyone who engages with the EASA Part CAMO Safety Management System (SMS) Investigative & Risk Management Process.

Consider that understanding the MEDA process is the starting point – The real advantage is use MEDA as a Tool to provide "Data" to the SMS and to enable the optimisation of the business in the best way whilst remaining fully compliant with EASA Part CAMO and Organisational requirements.

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

- a) Awareness of the structure composition and impact of Maintenance Error within the CAMO
- b) Understand the forces driving Maintenance Errors to focus your business decision process on improved engagement with employees
- c) Ability to consider changes driven by MEMS engagement and how they impact your specific organisation decision making process
- d) Confidence in a detailed knowledge of the key components of MEMS
- e) Have the knowledge to be able to implement MEMS within an Organisation

## Why Should I choose SAS for the training?

Sofema Aviation Services is a Regulatory Training and Consulting company with 45 years of commercial aviation experience and 10 years operational experience. Since the start we have provided certificates to approx 30,000 delegates and we have grown for 2 primary reasons!

The first is that we are professional and we listen to our customers.

The second reason is a combination of outstanding course fees, together with a world beating discount program which leaves our competitors way behind – please do not take our word for it, [check it out!](#)

## What Makes SAS Developing Maintenance Error Management Systems (MEMS) in a Part CAMO Environment - 3 Days Course Different?

Because our courses are written by people who have lived through the regulations. The author of the training material has more than 25 years' experience as an auditor across the entire regulatory spectrum.

At Sofema Aviation Services our focus is on accepting that compliance with Regulations is in fact minimum compliance. Interpreting the regulations in a way which enables the development and optimisation of our business is where we should see opportunity to drive efficiencies and cost saving.

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

### Day 1

- Introducing Maintenance Error Management Systems (MEMS)
- Abbreviations & Definitions
- Where is the Link Between Aviation Safety Management Systems (SMS), HF & MEMS
- The Role of the CAMO in Maintenance Error Investigation
- Regulation (EU) 376/2014
- Challenges To Delivering an Effective MEMS in an EASA Part CAMO
- Error, Violations, Blame & Culpability
- Managing Aviation Maintenance Error

### Day 2

- Introduction to Boeing Maintenance Error Decision Aid system
- Detailed understanding of the Boeing Maintenance Error Decision Aid system
- Case Study 1 – Review of a chosen event for your organisation using MEDA Process
- Understanding Hazard Identification and Risk Management
- Considering Root Cause and Contributing Cause Analysis
- Key Components of Maintenance Error Management Systems
- Practical guide to building a MEMS System in a CAMO

### Day 3

- Case Study 2 – Review of a chosen event for your organisation using MEDA Process
- Preparation before a MEDA Interview & Conducting a MEDA Interview
- Integrating MEMS into a Safety Management System
- Fatigue Risk Management considerations
- Implementing Proactive Aviation Maintenance Error Reduction Strategies
- Case Study 2 – Review of a chosen event for your organisation using MEDA Process
- Examination
- Debrief & Close Out

## Target Groups

This course will be of very significant benefit to any person required to work within the MEDA process and to Integrate MEDA into a Part CAMO SMS

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## Pre-Requisites?

A background in an aviation maintenance environment.

## Learning Objectives

Understand the methodology and challenges to enable the implementation of the most effect process to manage maintenance errors.

To develop best practice techniques for managing an effective Maintenance Error Management System using MEDA.

In addition delegates will understand how to develop organizational, specific MEDA programs for use within the organization.

## 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

3 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 [office@sassofia.com](mailto:office@sassofia.com)

To register for this training, please email [office@sassofia.com](mailto:office@sassofia.com) or Call +359 28210806



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