

# Reliability Mathematics: Utilising Airline Reliability Systems and Data – 1 Day

## Introduction

Demonstrating the effectiveness of your maintenance programme is one of the most critical CAMO tasks that must be performed by those individuals and organizations that are involved with Complex Motor Powered Aircraft &/or Aircraft used by licensed air carriers.

This one-day webinar provides delegates whom are new to aircraft maintenance reliability, with a general introduction to the theoretical construct and mathematical reliability model. More so, the webinar also provides a general overview of reliability management as a key continuing airworthiness task and programme development that is acceptable to your regulator.

Delivered in the style of a briefing the webinar also covers the use of reliability data in terms of collection, interpretation & reporting as well as provide you with an overview of the necessary competencies that are required by aspiring reliability professionals and those involved in the development and management of the maintenance programme.

## Who is the Course for?

This webinar/briefing is designed for persons who are new to reliability management or need an appreciation of the reliability function and how it effects their work. This includes but is not limited to Aircraft or Component Maintenance Planners & Maintenance Programme Engineers.

The course is also beneficial for Executive Officers and senior CAMO managers needing to gain an appreciation of the reliability concept and the importance of it.

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

Delegates will be provided with a basic introduced to the reliability concept, programme development based on EASA Part M & Part CAMO regulatory requirements, not least the basics of reliability systems that are acceptable to the regulator.

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**Date**

**Category**

Personal Development

Venue

Level

Price

## 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 of operational experience. Since the start, we have provided certificates to approx 30000 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 Reliability Mathematics: Utilising Airline Reliability Systems and Data 1 Day Different?

Our courses are written by people who have lived through the development of aircraft maintenance and reliability programmes.

At Sofema Aviation Services our focus is only on the the development of reliability systems, processes and procedure as a matter of minimum compliance, but going further to ensure that delegates whom are new to the subject are presented with all of the information, insight and advice necessary to return to their desks and 'hit-the-ground running'.

Interpreting and applying Reliability in this way, enables the development and optimization the safety of your business, whilst taking the opportunity the drive for efficiency and cost-saving.

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

- 1.General Introduction to Reliability;
- 2.Reliability as a Continuing Airworthiness Task
- 3.Competencies & Engineering Judgement
- 4.Reliability under Part CAMO
- 5.Reliability Programmes
- 6.Data – Collection, Interpretation & Reporting

## Target Groups

Entry level Aircraft or Component Maintenance Planners, Maintenance Programme Engineers or Aircraft Maintenance Reliability Engineers.  
Executive officers / Accountable Managers  
Senior CAMO Managers / Nominated Persons

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## Pre-Requisites?

None

## Learning Objectives:

Ultimately, the delegate will be able to:

- Delegates will be able to define Reliability.
- Discuss the importance of Reliability as a continuing airworthiness task.
- Define competencies and explain the importance of Engineering Judgement to Reliability Analysis and decision making.
- Describe Reliability Programmes in terms of Primary Features and Size & Complexity of the reliability programme.
- Discuss data collection, interpretation & reporting.

## What do People Say about Sofema Aviation Services Training?

"This training offers very good explanations of difficult topics."

"All aspect were useful, the examples were great."

"This training helped me to develop some new skills."

"The instructor is very resourceful and intelligent."

"Having a visual material helps a lot the learning process."

## Duration

1 Day – Start at 09.00 and finish at 17.00 with appropriate refreshment breaks.

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



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