

## EASA Part M Implementing an Effective Reliability Program – 2 Days

### Introduction

A system or component is considered "reliable" if it follows an expected law of behavior and is regarded "unreliable" if it departs from this expectation. These expectations differ greatly, depending on how the equipment is designed and operated. It is a requirement for an operator of large aircraft and when the Maintenance program is based on Maintenance Steering Group Logic (MSG) or on condition monitoring that the aircraft maintenance program shall include a reliability program. However, it should be understood that the primary purpose of the reliability program is in fact to support the effectiveness of the maintenance process. The purpose of a reliability program is to ensure that the aircraft maintenance program tasks are effective and their periodicity is adequate, in addition, the reliability program may result in the escalation or deletion of maintenance tasks, as well as the de-escalation or addition of a maintenance task.

This intensive 2 Day course is specifically aimed at organizational personnel who are required to actively control and deliver the aircraft reliability program. The training focuses on the gathering and processing of data. The display of Reliability Data and the way in which this data may be used to benefit the maintenance program.

This training is suitable for persons who normally work within the Part M CAMO environment, particularly if the Reliability elements of the Maintenance Planning Process are outsourced. It will also be of benefit to Quality Audit Staff and Maintenance Management.

### Who is the course for?

It is for persons who are involved in the technical management of Commercial Aircraft Maintenance (CAMO), In Particular, Persons with responsibility for the Reliability function. Technical Engineering, Maintenance Planning, CAMO Quality Auditors, Technical Records as well as anyone with an interest to achieve an effective interface between the reliability function and other departments within the organisation.

tel + 359 2 821 08 06  
email team@sassofia.com

[www.sassofia.com](http://www.sassofia.com)

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<b>Venue</b>	On Demand
<b>Level</b>	Basic
<b>Price</b>	On Demand

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

- a) Understand the role of Reliability within the CAMO group
- b) Understanding how an effective reliability program can drive operational optimizations
- c) Develop enhanced awareness of warranty-related benefits
- d) Consider the role of reliability driven Aircraft System and Vendor Service Bulletin implementation
- e) Be able to explain the purpose and operational functionality of the Reliability process within your organisation.

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

- Why is Reliability Data Important? Effective use of Continuing Airworthiness
- General Introduction to Aircraft Reliability Systems
- Measures of Reliability
- Standard Deviation
- Alert Levels, Deviation
- Operator Responsibilities
- Aircraft Maintenance – Programme Reliability Compliance

AMC M.A.302

M.A. 6.1 – Applicability

M.A. 6.2 – Applicability – CAMO Operator Small Fleets

M.A. 6.3 – Engineering Judgement

M.A. 6.5 – Reliability Programme

Appendix II to AMC M.A.711 (a) (3)

- Structure of the Reliability Program
- Reliability Programme Administration
- Managing competencies within the reliability framework
- Reliability Audit
- Corrective Actions
- The Benefits of an Effective Reliability Program
- Information Sources & Analysis
- Managing check findings in the context of reliability
- Managing Repetitive Defects
- Strip Reports – Working with workshop data

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## Target Groups

CAMO staff involved in managing the Maintenance or Reliability programs, Reliability Staff and other staff with technical involvement in the Aircraft reliability processes.

## Pre-requisites

A background in an aviation airworthiness environment.

## Learning Objectives

A reliability program provides an appropriate means of monitoring the effectiveness of the maintenance program. This training covers all elements required to ensure you achieve the maximum benefit from your Reliability Program.

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

*"I found satisfying answers to all my questions."  
"The instructor demonstrated very deep knowledge of the subject."  
"The length of the course fit my needs and expectations."  
"The content was really effective, I gained a lot of new knowledge."  
"The practical examples were perfectly delivered."*

## Duration

2 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.  
To register for this training, please email [team@sassofia.com](mailto:team@sassofia.com) or Call +359 28210806

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email [team@sassofia.com](mailto:team@sassofia.com)

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