



## 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 behaviour and is regarded “unreliable” if it departs from this expectation. These expectations differ greatly, depending upon how the equipment is designed and operated. It is a requirement 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.

### 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.

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## 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.

## Why Should I choose SAS for the training?-

Sofema Aviation Services a Regulatory training and consulting company with 45 years commercial aviation experience and 10 years operational experience. Since we started we have provided certificates to approx 15,000 delegates we have grown for 2 primary reasons!

The first is that we are professional and we listen to our customers. Please visit our download area as an example of how we engage with our customer <https://sassofia.com/download-area/>.

The second is not only the fact that our prices are far more cost effective than our competitors it is that our discount program leaves all the others way behind – please do not take our word for it check it out! [SAS Discount Program](#)

## What Makes SAS EASA Part M Implementing an Effective Reliability Program - 2 Days different? -

Because our courses are written by people who have lived through the regulations, from the introduction in the early 00's. EASA Part M is an essential regulation related to the management of the aircraft.

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

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## 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

## 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..

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## Pre-requisites

A background in an aviation airworthiness environment.

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Aviation services



Aviation Regulatory Experts



TRAINING COURSE DETAILS

## 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?

- "The instructor used the right words to explain the material."
- "The discussions among the group were very beneficial."
- "The instructor showed a very resourceful background and experience."
- "All sections of the course were related to my field."
- "Adequate answers were given to specific questions."

## Duration

2 Days - Each training day will start at 09.00 and finish at 17.00 with appropriate refreshment breaks.

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