

# EASA Part M Reliability Systems Essentials – 1 Day

## Introduction

Reliability can be about far more than simply maintaining Maintenance Programme (MP) effectiveness and reliability. Data collected through the reliability analysis process can be used to support the optimisation of the maintenance process.

In accordance with EASA requirements the operator is ultimately responsible for the management of the reliability and this course is designed to provide a full and detailed understanding of roles and responsibilities regarding the reliability management 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 a maintenance task, as well as the de-escalation or addition of a maintenance task.

## 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.

## 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) Achieve a solid understanding related to Subpart G Reliability related Continued Airworthiness Management (CAM) Regulatory Requirements
- f) Be able to explain the purpose and operational functionality of the Reliability process within your organisation.

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

- Abbreviations & Terms
- General Introduction to Aircraft Reliability Systems
- The Benefits of an Effective Reliability Program
- Performance Standards
- Operator Responsibilities
- Structure and Development of the Reliability Program
- Information Sources & Data Acquisition
- Indicators of Aircraft Components Reliability
- Presenting Reliability Data
- Reliability Programme Administration
- Manage Competencies within a Reliability Framework
- Developing Reliability Procedures
- Managing External Information Sources
- Pooling Arrangements
- Evaluation, Review and Changes
- Managing check findings in the context of reliability
- Measuring the Effectiveness of the Maintenance Planning Process

## Target groups

Reliability Department Personnel looking to review and refresh the regulations. Quality Assurance staff required to audit the Reliability process, CAMO staff involved in managing the Maintenance or Reliability programs. Other staff with specific general interest.

## 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.

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

*"Generally the course was useful."  
"The instructor was very good in explanation."  
"Every part of the course was effective."  
"The instructor make all questions clear."  
"All the subjects are useful."  
"The instructor did well with examples."*

### Duration

1 day – The training will commence 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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