

EASA Part M Developing an Effective Reliability Program Essentials – 1 Day

Introduction

EASA requires 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. 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. The data which is gathered through the reliability program is a measure of the effectiveness of the maintenance which is applied to an aircraft.

The Reliability function entails the collation and analysis of technical data derived from the in-service activities of the aircraft and its systems and associated components, with the primary purpose being to monitor the failure level and to identify poor performance typically as a result of breaching alert levels. A low incidence of technical findings is one way by which a determination can be made that the maintenance is effective.

The information processed is used to identify failure trends on fleets, and in so doing to develop corrective actions to ensure they can continue to operate in a safe, punctual, reliable, and efficient manner. This is typically achieved through the continued airworthiness management processes in place within the Reliability and Engineering departments, and observing compliance with the company's Continued Airworthiness Management Exposition and applicable regulations.

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 intensive 1 Day course is specifically aimed at organizational personnel who are required to actively control and deliver the aircraft reliability program.

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 organization.

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Date	On Demand
Category	Personal Development
Venue	On Demand
Level	Basic
Price	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 organization.

Detailed Content / Topics - The following Subjects will be addressed

- Abbreviations & Terms
- General Introduction to Aircraft Reliability Systems
- Measures of Reliability
- Aircraft Maintenance Programme Reliability Compliance
- Data acquisition and analysis – information sources
- Standard Deviation
- Alert Levels, Deviation
- The Benefits of an Effective Reliability Program
- Structure of the Reliability Program
- Manage Competencies within a Reliability Framework
- Understanding Strip reports and working with workshop data
- Managing check findings in the context of reliability
- Presenting Reliability Data
- Analysis & Interpretation of Trend Information
- Managing Repetitive Defects
- Reliability Programme Administration
- Corrective Actions
- Managing External Information Sources
- Pooling Arrangements
- Evaluation, Review, and Changes

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.

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

1 day – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.
To register for this training, please email team@sassofia.com or Call +359 28210806

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