

SOFEMA

Aviation services



Aviation Regulatory Experts



Developing an Effective Reliability Program Essentials

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 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 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 organisational personnel who are required to actively control and deliver the aircraft reliability program.

Date

19th Dec 2013

Venue

Safair Facilities
Joburg, South Africa

Category

Personal Development

Price

287.50 Euro

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TRAINING COURSE DETAILS



Detailed Content / Topics - The following Subjects will be addressed

- Reliability Introduction
 - Measures of Reliability
 - Data acquisition and analysis – information sources
 - Understanding Strip reports and working with workshop data
 - Calculating Reliability Data use of Alert Levels
 - Managing Findings, analysis and interpretation of the information
 - Presenting & Interpreting Reliability Data
 - Effective use of reliability data to support the management of
 - Continuing Airworthiness
 - Process to facilitate escalation based on reliability data
 - Dealing with limited data sets - engineering judgment
- Managing repetitive defects
- Engine Reliability

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.

Duration

1 day - Start at 09.00 and finish at 17.00, with appropriate refreshment and breaks.

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