

Reliability Programmes for Part CAMO – Maintenance Planning & Reliability Engineers – 1 Day

Introduction

Per AMC4 CAMO.A.305(g)(d) Personnel involved in developing and amending/reviewing the AMP, in assessing its effectiveness and/or working on reliability programme, should have knowledge of, or be trained on statistical analysis and reliability methodology.

Demonstrating the effectiveness of your maintenance programme is one of the most critical CAMO tasks that must be performed by those individuals and organizations that are involved with Complex Motor Powered Aircraft &/or Aircraft used by licensed air carriers.

This one-day webinar provides delegates whom are new to aircraft maintenance reliability, with a general introduction to the theoretical construct and mathematical reliability model together with a instructor led demonstrations and a short review of MSG-3 and it's relationship with reliability.

More so, the webinar also provides a general overview of reliability management as a key continuing airworthiness task, not least programme development that is acceptable to both the operator and your regulator.

The course may be delivered in either classroom or webinar format, and also covers the use of reliability data in terms of collection, interpretation & reporting as well as providing you with an overview of the necessary competencies that are required by aspiring reliability professionals and those involved in the development and management of the maintenance programme.

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

Delegates will be provided with a basic introduction to the reliability concept, programme development based on EASA Part CAMO and associated regulatory requirements, not least the basics of reliability programmes that are acceptable to the regulator.

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Who is the course for?

This course is designed for persons who are new to reliability management or need an appreciation of the reliability function and how it effects their work. This includes but is not limited to Aircraft or Component Maintenance Planners & Maintenance Programme Engineers.

The course is also beneficial for Executive Officers and senior CAMO managers needing to gain an appreciation of the reliability management and the importance of it.

Detailed Content / Topics - The following Subjects will be addressed

- MSG-3 & Its' Relationship with Reliability;
- General Introduction to Reliability;
- Competencies & Engineering Judgement;
- Reliability under EASA Part CAMO;
- Reliability Programme – Primary Features;
- Airline/Aviation Reliability – Salient Features & System Description;
- Standard Deviation and its' importance;
- How and Where to Use Alert Level Deviation;
- Upper Control Limit Guidelines;
- Using Distribution Curves for Forecasting Maintenance and Reliability;
- Analysis & Interpretation of Aviation Reliability Data;
- How to Deal with False Alerts;
- The Mathematics behind Typical Airline / Aviation Reliability Systems;
- Typical Airline Reliability Report – Demonstration.

Target groups

Entry level Aircraft or Component Maintenance Planners, Maintenance Programme Engineers or Aircraft Maintenance Reliability Engineers.
Executive officers / Accountable Managers
Senior CAMO Managers / Nominated Persons

Pre-requisites

Note

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Learning Objectives:

Ultimately, the delegate will be able to:

- Delegates will be able to define Reliability.
- Discuss the importance of Reliability as a continuing airworthiness task.
- Define competencies and explain the importance of Engineering Judgement to Reliability Analysis and decision making.
- Describe Reliability Programmes in terms of Primary Features and Size & Complexity of the reliability programme.
- Discuss data collection, interpretation & reporting.

Certificates:

EASA Part CAMO Regulatory Requirements I.A.W AMC4 CAMO.A.305(g)(d) Reliability Program Primary Features, MSG-3 Considerations, Mathematics Driving Airline Reliability Systems, Analysis & Interpretation of Aviation Reliability Data. Standard Deviation & Alert Levels. Using Distribution Curves & Generating Reports

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 very resourceful background and experience."*
- "All sections of the course were related to my field."*
- "Adequate answers were given to specific questions."*

Duration

1 day – will commence 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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