

CAR M – Understanding MSG 3 Methodology and Analytic Process Essentials – 1 Day

Introduction

In 1979 the Air Transport Association (ATA) task force sought to improve on MSG-2 to address a new generation of advanced technology aircraft (B757 & B767), the outcome was MSG-3. MSG-3 is now the preferred method used for developing the scheduled maintenance tasks and intervals which will be acceptable to Regulatory authorities, Operators, and Manufacturers. MSG 3 delivers a top-down approach which focuses on the need to ensure either economic viability or to maintain the aircraft system, component, or structure in an airworthy condition.

For each potential failure cause, the MSG-3 guidelines provide task-oriented logic to determine the appropriate scheduled maintenance tasks. The resulting task-oriented program consists of specific tasks, selected for a given functional failure consequence based on the actual reliability characteristics of the equipment they are designed to protect.

Tasks are selected in a hierarchy of difficulty and cost, from lowest to highest. Depending on the consequence of failure (safety, operational, economic, hidden safety, and hidden non-safety) a single or combination of tasks will be selected.

Who is the course for?

This training is for individuals working in the aviation industry who need to have a good understanding of the European Aviation Safety Agency (EASA) regulations and how they apply to their specific areas of work. This can include pilots, maintenance personnel, air traffic controllers, ground handlers, aviation managers, and other aviation professionals. The course provides an overview of the EASA regulations, including the basic principles, scope, and application of the regulations, as well as the responsibilities of different stakeholders in ensuring compliance with the regulations.

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

The course aims to provide a comprehensive understanding of EASA regulations and their application in the aviation industry. You will learn about the basic principles, scope, and compliance requirements of EASA regulations, as well as the responsibilities of different stakeholders in ensuring compliance. The course will also cover the importance of Safety Management Systems in ensuring aviation safety and the future developments in EASA regulations.

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| Date | On Demand |
| Category | Personal Development |
| Venue | On Demand |
| Level | Basic |
| Price | On Demand |

Detailed Content / Topics - The following Subjects will be addressed

- Contents
- Abbreviations and Terms
- The Origins of MSG-3
- Aircraft Maintenance Fundamentals
- Aircraft Maintenance Program – Developments
- General Introduction to MSG-3 Process
- Features and Benefits of MSG-3
- MSG-3 Analysis Methodology
- System and Power Plant Analysis
- Structural Analysis
- Zonal Analysis
- EWIS / HIRF

Target Groups

The course is beneficial for persons requiring a comprehensive understanding of MSG-3. The course will also be beneficial to persons working within a CAMO environment for example Reliability engineering, Maintenance Program Management, and Quality Audit Staff.

Pre-requisites

A background in aviation maintenance planning and reliability will be a distinct advantage however the course is stand-alone.

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Learning Objectives

This course aims to provide the participants with an in-depth understanding of the MSG-3 process and methodology employed to develop MSG-3-based Maintenance Programmes.

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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