

# 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 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 on the consequence of failure (safety, operational, economic, hidden safety and hidden non-safety) a single or combination of tasks will be selected.

## Why Should I choose SAS for the training?

Sofema Aviation Services is a Regulatory Training and Consulting company with 45 years of commercial aviation experience and 10 years operational experience. Since the start we have provided certificates to approx 25,000 delegates and we have grown for 2 primary reasons!

The first is that we are professional and we listen to our customers.

The second reason is a combination of outstanding course fees, together with a world beating discount program which leaves our competitors way behind – please do not take our word for it, [check it out!](#)

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email [office@sassofia.com](mailto:office@sassofia.com)

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## What Makes SAS CAR M – Understanding MSG 3 Methodology and Analytic Process Essentials – 1 Day Different?

Because our courses are written by people who have lived through the regulations. The author of the training material has more than 25 years' experience as an auditor across the entire regulatory spectrum.

At Sofema Aviation Services our focus is on accepting that compliance with Regulations is in fact minimum compliance. Interpreting the regulations in a way which enables the development and optimisation of our business is where we should see opportunity to drive efficiencies and cost saving.

## 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.

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## Pre-requisites

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

## 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?

"This training offers very good explanations of difficult topics."  
"All aspect were useful, the examples were great."  
"This training helped me to develop some new skills."  
"The instructor is very resourceful and intelligent."  
"Having a visual material helps a lot the learning process."

## Duration

1 Day – To commence at 09.00 and finish at 17.00, with appropriate refreshment breaks.

To register for this training, please email [office@sassofia.com](mailto:office@sassofia.com) or Call +359 28210806



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