



TRAINING COURSE DETAILS

## 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.

### 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

#### Date

On Demand

#### Venue

#### Category

Personal Development

#### Price

On Demand

t + 359 2 821 08 06  
e [office@sassofia.com](mailto:office@sassofia.com)

[www.sassofia.com](http://www.sassofia.com)



## 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 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.

## Duration

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

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