

# Maintenance Programme Engineering & Planning – Recurrent – 3 Days

## Introduction

The Maintenance Planning Function is the responsibility of the Operator and Effective Maintenance Planning can contribute significantly to achieving real cost savings within the organization. The training develops an understanding of the opportunities to deliver real savings. Maintenance has come a long way since the early days when maintenance programs owed more to the perception of the maintenance needs, as opposed to the analyzed and justified needs. In addition, the role of the regulator was also minimal, and in part developed as a result of events, incidents, and accidents. During the end of the first half of the 20th century regulations began to strengthen and the aircraft manufacturer was seen as the appropriate source of the maintenance program development. The early attempts at effective maintenance (in the 1960s) saw time limits developed which resulted in aircraft being progressively dismantled, in what became known as Hard Time primary maintenance. This intensive 5 Day course considers best practice processes for accomplishing the various tasks which together make up the challenging role of Maintenance Planning, It is specifically designed for people with direct involvement in Part M Subpart C Planning functions whether in a Management Supervisory or Administrative role. It will also be of benefit to Quality Audit Staff and persons who normally work within the Part M CAMO environment, particularly if elements of the Maintenance Planning Process are outsourced.

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

- a) Have an awareness of the structural composition and impact of EASA Part M Maintenance Planning Regulations.
- b) Understanding Organisational Roles and Responsibilities Compliant with the management of the Maintenance Program.
- c) Understand the development and approval of the Aircraft Maintenance Program (AMP)
- d) Understanding the need to coordinate with Production Planning and availability and the control of approved data.
- e) Detailed understanding of options related to Work Planning and Scheduling.
- f) Be able to explain how the Maintenance Review Board Process (MRB) Works – MSG 3
- g) Understand the Aircraft Certification Process SSA ALI CMR & CDCCL works and how it affects the maintenance program.
- h) Have confidence in full EASA compliance and the ability to appreciate the opportunity to optimize the planning process.
- i) Be able to demonstrate Part M CAMO Functionality related to Maintenance Planning and to have the knowledge to avoid or mitigate problems

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| <b>Date</b>     | On Demand            |
| <b>Category</b> | Personal Development |
| <b>Venue</b>    | On Demand            |
| <b>Level</b>    | Basic                |
| <b>Price</b>    | On Demand            |

## Who is the course for?

It is for persons who are involved in the technical management of Commercial Aircraft Maintenance Planning (CAMO), Technical Engineering, CAMO Quality Auditors, Reliability, and Technical Records as well as anyone with an interest to achieve an effective interface with an EASA Compliant Maintenance Department.

## Detailed Content / Topics - The following Subjects will be addressed

### Day 1

- Abbreviations & Terms
- Part M Subpart C Review
- Aircraft Certification Principles ISC / MRB / MPD
- Maintenance Planning Engineering Function
- Managing Competencies in Maintenance Planning
- Airworthiness Directives
- EASA Compliant Aircraft Maintenance Program – Review of Critical Items
- Instructions for Continued Airworthiness ICAW
- Supplemental Type Certificates
- Airworthiness Limitations & Certification Maintenance Tasks

### Day 2

- Development of Scheduled Maintenance Tasks (MSI SSI)
- Maintenance Planning Document
- The Aircraft Maintenance Program – AMP Introduction
- The Aircraft Maintenance Program – Developments
- Aircraft Maintenance Program Management
- Additional Structural Considerations
- Temporary Extension and Escalation / De-escalation
- Task Optimization vs Package Optimization
- Block Check and Equalized Check Considerations
- Measuring the Effectiveness of the Maintenance Planning Process

### Day 3

- ETOPS
- Aircraft Maintenance Man Hour Planning Considerations
- Capacity Planning
- The Maintenance Program Review Process – Considerations
- Changing Maintenance Programs – Developing a
- Bridging Check – Low Utilization Programs
- Field Loadable Software
- Modifications & Repair Status Considerations
- Managing Engine and Component Status “off-wing”
- Weight & Balance – Maintenance Planning’s Responsibility
- Exam

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## Target Groups

All personnel with duties and/or responsibilities in the Airline Planning environment. Quality Assurance Staff. Also of Interest to persons working in a CAMO or Part M Quality System. Production Planning and Reliability Specialists, Engineers, Managers & Lease Companies.

## Pre-requisites

General Awareness of the structure and functionality of Part M would be an advantage but not essential.

## Learning Objectives

At the end of this Training, the delegate should have a comprehensive understanding of the Roles and responsibilities associated with Maintenance Planning and the importance of delivering an effective Maintenance Planning Function within the organization. In addition to have a firm understanding of areas where savings may be developed.

## 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

3 days – Start at 09.00 and finish at 17.00, with appropriate refreshment breaks.  
To register for this training, please email [team@sassofia.com](mailto:team@sassofia.com) or Call +359 28210806

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