

EASA Part M Maintenance Planning Fundamentals – 5 Days

Introduction

The Maintenance Planning Function is the responsibility of the Operator and Effective Maintenance Planning can contribute significantly to achieving optimisation within the organization. This training develops an understanding regarding the opportunities to deliver real savings.

Maintenance has come a long way since the early days of commercial aviation when maintenance programs owed more to the perception of the maintenance needs, as opposed to the analysed 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 1960's) saw time limits developed which resulted in aircraft being progressively dismantled, in what became known as Hard Time primary maintenance.

The aircraft maintenance program (AMP) identifies the maintenance tasks to be performed on an aircraft, in order to maintain its airworthiness. The AMP is the primary tool for the effective control of the aircraft therefore it must be developed with full consideration of both the safety and economic viability.

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 a 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.

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Who is the Course for?

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.

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

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.

- a) Achieve a solid understanding related to Subpart G Continued Airworthiness Management (CAM) and the Continuing Airworthiness Organisation (CAMO).
- b) Be able to demonstrate Part M Functionality and to avoid or mitigate Problems.
- c) Appreciate the Roles and Responsibilities related to all elements within the Maintenance Planning Group.
- d) A detailed understanding of the PART M Quality System – The difference between QA & QC Roles and responsibilities and how it relates to the Maintenance Planning Environment.
- e) Be able to use the regulation to proactively manage the Continuing Airworthiness (CA) of your aircraft.
- f) Understand the activities which support the analysis of Safety Data including SB's and AD's.
- g) Understand the purpose of STC's and how they are integrated into the maintenance Program.
- h) Understand the roles and responsibilities within the various CAMO groups including Reliability, Technical Records, Engineering, & Maintenance Planning.

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Detailed Content / Topics - The following Subjects will be addressed

Day 1

- Aircraft Maintenance Introduction
- Abbreviations & Terms
- Regulatory Framework
- Part M – Part 145 Interface and Responsibilities
- Part M Subpart C
- Aircraft Certification Principles ISC / MRB / MPD
- Maintenance Planning Engineering Function
- Managing Competencies in Maintenance Planning

Day 2

- Airworthiness Directives
- Introduction – Service Information SIL SB VSB
- EASA Compliant Aircraft Maintenance Program – Review of Critical Items
- Considerations regarding the embodiment of Aircraft Maintenance Service Bulletins SB
- Instructions for Continued Airworthiness ICAW
- Supplemental Type Certificates

Day 3

- Introduction to the MRB Process
- Development of Scheduled Maintenance Tasks (MSI SSI)
- Airworthiness Limitations & Certification Maintenance Tasks
- 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
- SFAR88/EWIS/CDCCL
- Task Optimization vs Package Optimization
- Block Check and Equalized Check Considerations

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Day 4

- Auditing Aircraft Maintenance Check Packs and other Quality Control Processes
- Measuring the Effectiveness of the Maintenance Planning Process
- Reliability Driven Optimization
- Human Factors in Maintenance Planning
- ETOPS
- Service Level Agreements & Optimizing the Supply Chain
- Aircraft Maintenance Man Hour Planning Considerations
- Capacity Planning
- The Maintenance Program Review Process – Considerations
- Changing Maintenance Programs – Developing a Bridging Check – Low Utilization Programs

Day 5

- Helicopter Maintenance Planning Considerations
- Field Loadable Software
- Modifications & Repair Status Considerations
- Managing Engine and Component Status “off wing”
- Weight & Balance – Maintenance Planning’s Responsibility
- Areas of Interest Concerning Aircraft Import / Export in EASA EU Jurisdiction
- Exam

Target Groups

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

Pre-Requisites?

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.

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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?

"Explanation of all useful Aspects of the course"
"The discussions among the group were very beneficial."
"The instructor showed a very resourceful background and experience."
"Good level of knowledge"
"Adequate answers were given to specific questions."
" Fully keeps the attention of the attendees"

Duration

5 Days – To 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 2 821 08 06



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