€TRAINING

Quality Assurance in Maintenance and Engineering

1 - 12 December 2024
Dubai (UAE)

Quality Assurance in Maintenance and Engineering

REF: A2118 DATE: 1 - 12 December 2024 Venue: Dubai (UAE) - Fee: 7480 Euro

Introduction:

Quality Assurance in aviation is defined as a collection of processes designed and implemented to ensure adequate quality exists in both aviation maintenance processes and products. During operation, aircraft AC are subject to use, maintenance, repair, and disposal. Each of those processes requires adequate quality. A quality management system has a number of components that allow it to accomplish both an oversight function and an in-process inspection function. This course presents requirements related to quality management with which an AC maintenance and engineering. Systems pertaining to both management and technical aspects will be analyzed.

Course Objectives:

At the end of this course the participants will be able to:

- Understand how and why incidents and errors occur in aircraft maintenance and support functions
- Achieve, and maintain rigorously, the highest safety standards possible
- Prevent future incidents or accident
- Explore a variety of investigative techniques
- Provide detailed reports of all completed investigations

Targeted Audience:

- Quality control staff
- Maintenance engineers
- Quality manager
- Safety manager
- Auditors

Course Outlines:

Unit 1:

- Introduction-Familiarization
- Regulatory and Theoretical Framework
- Roles of Management Accountable Manager
- Quality Manager
- Safety Manager
- Nominated Person, Technical
- Auditors

Unit 2:

- Effectiveness of Management Systems
- Quality Management System
- The transition from Part M, Subpart G, and F to Part-CAMO
- Differences and Guidelines

Unit 3:

- Effectiveness of Management Systems
- Compliance Monitoring Program
- Safety Management System
- Key Concepts: Findings, Occurrence Reporting, Recordkeeping, contracting-subcontracting

Unit 4:

- Human Factors and Management Systems
- Human capabilities and limitations
- System Design Task Card Design
- Qualification-Competency
- Culture Effects
- Training

Unit 5:

- Investigation Methods
- Audit and LOSA M
- MEDA
- Case Studies
- Q&A Section