

# € TRAINING

Quality Assurance in Maintenance and  
Engineering



8 - 12 December 2024  
Cairo (Egypt)



# Quality Assurance in Maintenance and Engineering

REF: A855 DATE: 8 - 12 December 2024 Venue: Cairo (Egypt) - Fee: 3520 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