AMS400 – Engines and propulsion system maintenance
From the Advanced Master AMS: E&M
(Aeronautical Maintenance and Support: Engineering & Management)

Highlights

- Engine MRO
- Practical aspects of maintenance

Provide essential knowledge for engines and propulsion system maintenance, reliability monitoring, maintainability and operability. MRO policies, practices and techniques are presented, with a strong relationship to efficiency and cost optimization.

Prerequisites

- Aircraft maintenance concepts knowledge;
- Engine and propulsion systems architecture and components knowledge.

*not compulsory

Learning objectives

After completing this course, participants will be able to:

- Understand propulsion system maintainability and operability main objectives;
- Describe purpose and content of an engine reliability program;
- Describe on-wing and off-wing MRO policies, practices and techniques;
- Understand the fundamentals and key parameters of engine maintenance cost efficiency.

Key elements

Dates: 29 & 30 January 2020 (exam: 12 February 2020*)
Duration: 9 hours
For whom: recent graduates, jobseekers and experienced employees
Location: ISAE-SUPAERO, Toulouse
Course fees: 1 600 €
Language: English

Practical information and registration

Natalia Perthuis - 05 61 33 80 47 – info.exed@isae-supraero.fr
Course content

Generalities:
• Fleet management
• Maintenance program
• Reliability program

Engine efficiency and cost optimization:
• Key parameters
• Mechanical integrity and reliability
• Performance parameters and efficiency

Engine on wing health monitoring:
• Purposes
• Data collection and processing
• Trend monitoring
• Alerts
• On-wing NDT and inspections

Refurbishment policies and workscoping:
• Regulations
• Cost effectiveness
• Shop repair policies
• Workscoping
• Component repair policies