

Aeronautical Maintenance and Support

CERTIFICATE



Participants

Engineers and managers from civil and military industry who want to move towards functions in maintenance and support.

Aims of the programme

To provide a comprehensive knowledge of maintenance and support activities and methods, throughout the entire product life-cycle, with a wide cover of technical, operational, management, logistic support, regulatory and safety aspects. To give attendees the necessary knowledge to efficiently work in the competitive and fast-changing MRO worldwide business.

Organisation

Course duration: 310 hours, from January to March

Teaching language: English

Location: ISAE-SUPAERO - Toulouse.

Syllabus

Maintenance and Support in Aircraft Design

Operability and Maintainability Influence on Design - Integrated Logistic Support (ILS) and Logistic Support Analysis (LSA) - Configuration Management - Development and evolution of a maintenance program (MSG-3) - Ground Support Equipment - Project (LSA, MSG-3)

Reliability and Predictive Maintenance

RAMS techniques and modelling – Predictive maintenance and Data analytics

MRO Execution and Organization

Engines and propulsion system maintenance - Avionics and systems maintenance and troubleshooting - Equipment maintenance and test - Organization and management of a maintenance department - Military maintenance organization - Project (MRO Execution and organization)

Continued and continuing airworthiness

Human Factors and Safety Management System

Human factors and SMS & SMS implementation in MRO

Customer Support

Customer support and services

Supply Chain and Logistics

Supply chain and logistics - Aircraft recycling

TESTIMONY

Stéphane Koffi, assistant of the maintenance manager of the panafrican business airline Comfort Jet Services in Lomé - TOGO

«After completing a double master's degree in electrical engineering and finance, I've started my career over 2 years and a half ago as the assistant of the maintenance manager of the panafrican business airline Comfort Jet Services in Lomé (Togo). As I was new to the aviation industry, I needed to master, as quickly as possible, the specificities of a very particular business. After two years of

practical experience in the maintenance department of Comfort Jet Services, I decided to attend one academic semester at ISAE-SUPAERO to acquire high theoretical knowledge in aeronautical maintenance management, and it happened to be a great decision. The Advanced Certificate gave me a broad view of all theoretical and practical aspects of aviation regulations, maintenance, quality and safety management within MROs and airlines, allowing me to get a strong background and fulfill my new duties of quality assurance engineer in my company.»

Further information and registration:

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Non contractual document