MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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AIRCRAFT / AERO ENGINE OVERHAUL & SERVICE AGREEMENTS (CERTIFIED BY AIR FRANCE)

"Mastering Technical, Commercial, and Contractual Aspects of Engine MRO and OEM Agreements"

Schedule

Date	Venue	Fees (Face-to-Face)
20 – 24 Jul 2026	Dubai, UAE	USD 3495 per delegate

Introduction

The overhaul and maintenance of aircraft engines represent a critical area in aviation operations, both in terms of safety and cost. As MRO services grow more complex and outsourced, understanding the technical depth and commercial structure of aero engine service agreements becomes essential.

This certified program, delivered in association with Air France, combines engineering insight with commercial acumen—guiding participants through the entire process of engine overhaul, contract design, cost modeling, OEM agreements, and regulatory considerations.

Objectives

By the end of this course, participants will be able to:

- Understand the lifecycle of aircraft and aero engine maintenance and overhaul
- Evaluate technical scopes of engine shop visits and overhaul strategies
- Interpret key terms and structures of service agreements with OEMs and MROs
- Manage cost models, warranties, SLAs, and TAT (turnaround time) metrics
- Navigate EASA/FAA regulatory frameworks governing engine maintenance

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Why Attend

- Learn directly from certified subject matter aligned with Air France’s MRO expertise
- Master the key variables in engine maintenance contracts and service levels
- Identify the drivers of overhaul costs, life-limited parts (LLPs), and workscopes
- Ensure technical compliance while optimizing operational and commercial outcomes
- Strengthen contract negotiation and supplier performance monitoring

Target Audience

This program is designed for:

- Airline technical and maintenance managers
- Fleet and powerplant engineers
- Contract and procurement specialists in aviation
- MRO providers and OEM customer support managers
- Leasing and asset management professionals

Individual Benefits

Key competencies that will be developed include:

- Understanding of overhaul shop visit planning and execution
- Ability to assess and negotiate PBH, T&M, and flat-rate agreements
- Knowledge of LLPs, AD/SB compliance, and module workscope definitions
- Familiarity with engine health monitoring and performance guarantees
- Proficiency in interpreting regulatory standards and audit findings

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved MRO contract performance and turnaround time
- Better alignment between technical operations and contract strategy
- Reduced engine maintenance costs and unplanned downtime
- Enhanced supplier accountability and service quality
- Greater compliance with EASA, FAA, and ICAO maintenance mandates

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – MRO landscape, OEM roles, shop visit economics
- Case Studies – Engine overhaul scenarios, contract dispute resolutions
- Workshops – Drafting SOWs, comparing PBH vs flat-rate, audit review
- Peer Exchange – Airline experience-sharing and supplier perspectives
- Tools – Contract templates, inspection checklists, cost models

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Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Engine Overhaul Principles and Lifecycle

- Module 1: Aircraft Engine Architecture and Modules (07:30 – 09:30) • Fan, HPC/LPC, combustion, HPT/LPT, accessories
- Module 2: Engine Maintenance Strategy and Intervals (09:45 – 11:15) • On-wing vs off-wing, hard time vs condition-based
- Module 3: Shop Visit Planning and Workscopes (11:30 – 01:00) • Light, core, performance restorations
- Module 4: Workshop – Define a Shop Visit Scenario (02:00 – 03:30) • Use LLP data and fault reports to build a workscope

Day 2: MRO Industry and Contract Structures

- Module 5: MRO Business Models and Provider Ecosystem (07:30 – 09:30) • Airline in-house vs third-party MRO, OEM support
- Module 6: Types of Service Agreements (09:45 – 11:15) • PBH (Power-by-Hour), Time & Material, Fixed Price
- Module 7: Key Contractual Clauses and Negotiation Points (11:30 – 01:00) • Scope, exclusions, warranties, SLAs, termination
- Module 8: Workshop – Compare Contract Models (02:00 – 03:30) • Strengths/risks of different pricing and performance terms

Day 3: Cost Control and Performance Metrics

- Module 9: Overhaul Cost Drivers and LLP Management (07:30 – 09:30) • Material, labor, scrap rates, service bulletin compliance
- Module 10: Turnaround Time (TAT) and Engine Pooling (09:45 – 11:15) • Contractual targets, spare strategies, penalties
- Module 11: Engine Health Monitoring (EHM) (11:30 – 01:00) • Trend data, borescope inspections, diagnostics
- Module 12: Workshop – Build a Shop Visit Cost Estimate (02:00 – 03:30) • Analyze and break down example costs

Day 4: Regulatory and Technical Compliance

- Module 13: EASA, FAA and ICAO Maintenance Rules (07:30 – 09:30) • Part-145, Part-M, SMS, AD/SB requirements
- Module 14: Quality Assurance and Audit Readiness (09:45 – 11:15) • Findings, CAPA, traceability, dual-release issues
- Module 15: Lease Return Conditions and Redelivery (11:30 – 01:00) • Engine maintenance records, performance criteria
- Module 16: Workshop – Create a Compliance Audit Plan (02:00 – 03:30) • Identify red flags and documentation needs

Day 5: Strategic Management and Final Case Study

- Module 17: MRO Supplier Management and Dispute Resolution (07:30 – 09:30) • Performance tracking, escalation, penalties
- Module 18: Lifecycle Costing and Long-Term Planning (09:45 – 11:15) • Budgeting, depreciation, cost-per-hour trends
- Module 19: Final Case Study – Engine Overhaul Contract Simulation (11:30 – 01:00) • Group scenario covering end-to-end contract management
- Module 20: Wrap-Up and Certification Review (02:00 – 03:30) • Review learnings and receive certification guidance

Certification

Participants will receive a Certificate of Completion in Aircraft / Aero Engine Overhaul & Service Agreements, certified by Air France, validating their technical and commercial competence in managing aircraft engine maintenance programs, contracts, and compliance obligations.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**