شركة مودرن لاند لصيانة الطائرات والتدريب

Modern Land Aircraft Maintenance and Training Company



Company Profile 2026



Aviation Training Courses: Maintenance

B1 & B2 Basic Conversion and Examinations

PART-66 EXAMINATION MODULES

1	Mathematics	40 min
2	Physics	65 min
3	Fundamentals	65 min
4	Electronic Fundamentals	25 min
5	Digital Techniques / Electronic Instrument Systems	100 min
6	Materials and Hardware	
7A	Maintenance Practice (MCQ)	
7A	Maintenance Practice (essay)	
8	Basic Aerodynamics	25 min
9A	Human Factors (MCQ)	25 min
9A	Human Factors (essay)	20 min
10	Aviation Legislation (MCQ)	50 min
10	Aviation Legislation (essay)	20 min
11A	Turbine Aeroplane Aerodynamics, Structures and Systems	175 min
11B	Piston Aeroplane Aerodynamics, Structures and Systems	
12	Helicopter Aerodynamics, Structures and Systems	160 min
15	Gas Turbine Engine	115 min
16	Piston Engine	
17	Propeller	40 min

CATEGORY PATHWAYS

Cat B1.1: Modules 1–10 + 11A, 15 and 17	Cat B1.2: Modules 1–10 + 11B, 16 and 17
Cat B1.3: Modules 1–10 + 12 and 15	Cat B1.4: Modules 1–10 + 12 and 16

BASIC AND TYPE TRAINING

AIRCRAFT FAMILIES AND MAINTENANCE



BASIC AND TYPE TRAINING

- Basic Training Course
- Category B1.1, turbine aeroplanes
- Category B2, avionics and electrical
- Boeing 737-600/700/800/900, CFM56 (B1, B2, B1+B2, B1 to B2, B2 to B1, C)
- Boeing 737-300/400/500, CFM56 (B1, B2, B1+B2, B1 to B2, B2 to B1, C)
- AS 332, Turbomeca Makila 1A/1A1 (B1, B2, B1+B2, C)
- Airbus A318/A319/A320/A321, CFM56 (B1, B2, B1+B2, B1 to B2, B2 to B1, C)
- Airbus A319/A320/A321, IAE V2500 (B1, B2, B1+B2, B1 to B2, B2 to B1, C)
- Embraer 145/135, RR Corp. AE3007A (B1, B2, B1+B2, B1 to B2, B2 to B1, C)

GENERAL FAMILIARIZATION

- Airbus A318/A319/A320/A321, CFM56 and IAE V2500
- Airbus A300/200-330, PW4000; A300/200-340, CFM56
- Boeing 737-300/400/500, CFM56
- Boeing 737-600/700/800/900, CFM56
- Boeing 300/200-757, RR RB211
- Difference training: Boeing 737-300/400/500 to 737-600/700/800/900, CFM56
- Embraer EMB145/135, RR Corp. AE3007A
- Boeing 747-200/300/400, GE CF6 and PW4000

STRUCTURES, EQUIPMENT AND LEGISLATION

- Composite repair, theoretical and practical
- Composite repair, theoretical
- Sheet metal repair, theoretical and practical
- Sheet metal repair, theoretical
- Sheet metal repair, practical
- Aircraft type recurrent and refresher training
- Life preservers maintenance
- Escape slides maintenance
- Aviation legislation training
- Aviation legislation course and examination in accordance with Part-66 requirements
- Aviation legislation continuation training

COMPONENT & ENGINE

Borescope inspection, fuel tank safety and specialist maintenance

SPECIALIST MAINTENANCE COURSES

COMPONENTS AND AVIONICS

- Component maintenance: batteries, ovens, coffee makers, handsets and related items
- Avionics main batteries: SAFT, Marathon and VARTA
- Coffee makers and water heaters
- Ovens

ENGINEERING AND HUMAN FACTORS

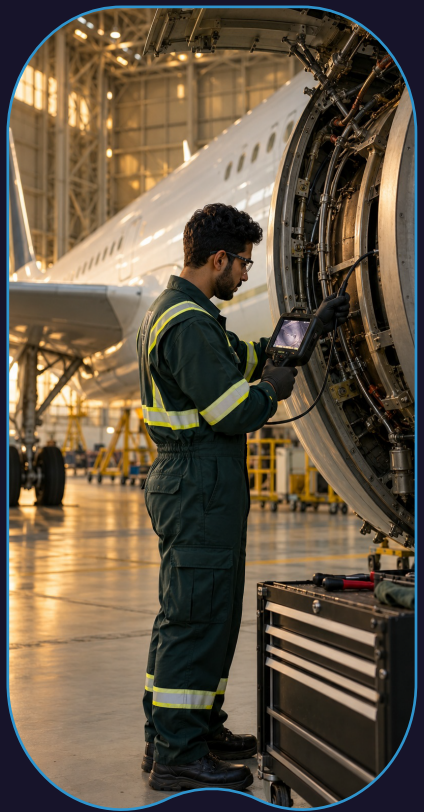
- Engineering and Planning Training
- Human Factors Training Courses

ENGINE BORESCOPE INSPECTION

- CFM7 / -5 / -3-56 course
- Theoretical inspection training
- Practical inspection training
- V2500 engine inspection training
- Turbomeca Makila 1A1 engine inspection training

FUEL TANK SAFETY

- Fuel Tank Safety Training Course
- Phase 1 Training Course
- Phase 2 Training Course
- Continuation Training Course



AVIATION TRAINING COURSES

Airport operations, regulations and specialist skills

AIRPORTS AND AIRCRAFT MAINTENANCE

AIRSIDE & FLIGHT OPERATIONS

- Boeing 737-300/400/500 pre-flight inspection, theoretical and practical
- Unmanned Aviation Training (RPAS)
- Foreign Object Damage (FOD)
- Aircraft Marshalling (Ramp)
- ETOPS (Extended-range Twin-Engine Operational Performance Standards)
- Accidents Investigation & Prevention
- Maintenance / Acceptance Test Flight for Pilots & Flight Engineers
- Aircraft Reliability Training Course

REGULATIONS & PROCEDURES

- Boeing Standard Wiring Practices
- EASA Part 21, Subpart J: Design Organisation Approval (DOA)
- EASA Part M requirements
- EASA Part 145 requirements
- EASA framework: Parts M, 147, 66 and 145
- EASA Part 66/147 requirements
- Audit Management in Aviation
- Instruction Techniques, initial and recurrent
- Continuation Training in Recent Technologies
- Aviation English for Aircraft Technicians (ICAO standards)
- Engineering and Planning Procedures Training Course

TECHNICAL SPECIALTIES

- Stores Incoming Inspection; Electrostatic Sensitive Discharge (ESD)
- Aviation Tires Maintenance and Care (Line/Stores)
- Low Frequency Acousticography / Coin Tap Test (C-test) for composites
- Borescope Inspection of Turbine and Piston Engines
- Dangerous Goods (IATA standards)
- Advanced Sheet Metal
- Root Cause Analysis
- Suspected Unapproved Parts
- Corrosion Prevention and Control
- Composite Inspection and Repairs
- NDT: Visual Testing and Liquid Penetrant Testing (FPI)





AIRPORT OPERATIONS

Airport management and apron supervision

AIRPORT MANAGEMENT

COURSE OBJECTIVE

Strategic planning and decision-making for safe, efficient airport operations. The course helps managers identify business challenges and address them at individual, team and unit levels.

COURSE CONTENT

- Airport master planning and certification manual
- Quality management and safety management system
- Managing people and financial management
- Bird strike and wildlife management

Crisis management and airport emergency plan

Airport facilitation

WHO SHOULD ATTEND

Airport managers, airport shift leaders and operations managers

APRON TOWER SUPERVISOR

LEARNING OUTCOMES

- Identify procedures for assigning aircraft stands
- Apply apron safety rules
- Inspect aerodrome surfaces and navigation aids
- Verify airside access and movement areas
- Manage operational hazards and risks
- Explain safe aircraft marshalling and lead-in procedures

TRAINING CONTENT

- Runway and taxiway markings, navigation aids and signage
- Airport emergency plan and crisis management
- Airport safety and safety management system
- Aircraft marshalling signals
- Runway incursion prevention
- Airside driving
- Airport ground handling

WHO SHOULD ATTEND

Airport operations officers, managers and apron control unit officers

DURATION: 10 DAYS



RAMP SAFETY & RISK

Ramp safety and risk management courses

RAMP SAFETY

COURSE OVERVIEW

Practical training for ramp safety personnel to apply national regulations and ICAO standards while maintaining safe apron operations.

LEARNING OUTCOMES

- Identify safety equipment required for ramp operations
- Identify hazards and apply risk controls
- Recognize ramp area markings and signage
- Use standard radio telephony techniques
- Respond appropriately to abnormal handling situations

WHO SHOULD ATTEND

Airline operators, airport operations officers, airside maintenance staff and ground handlers

3-DAY COURSE SCHEDULE

- Day 1: Basic airside rules — 5 hours
- Day 2: Airside hazards — 5 hours
- Day 3: Airport markings, lighting and signage — 5 hours

RISK MANAGEMENT

COURSE PURPOSE

For aviation service provider staff involved in planning and implementing risk assessments. The course develops the skills to apply, administer or contribute to risk assessment.

CORE COMPETENCY

- Apply the fundamental concepts and principles of risk management

COURSE CONTENT

- Manage hazards
- Investigate incidents and accidents
- Manage risk through a case study
- Measure safety performance

WHO SHOULD ATTEND

Personnel at aviation service providers who participate in risk assessment

CASE STUDY

DURATION: 5 DAYS (20 HOURS)

SAFETY MANAGEMENT SYSTEM

State Safety Programme (SSP) and aviation SMS

COURSE OBJECTIVE

For regulatory and administrative personnel responsible for planning or operating a State Safety Programme (SSP), and aviation service provider teams implementing Safety Management Systems (SMS). The course builds the skills to promote SMS requirements and guidance, and oversee service-provider systems.

CORE COURSE CONTENT

- Hazard identification
- Risk management
- Accident and incident management
- Error and violation management
- SSP and SMS implementation

LEARNING OUTCOMES

- Apply the fundamentals of aviation safety management
- Contribute to SSP/SMS plans aligned with ICAO Standards and Recommended Practices (SARPs) and Annex 19
- Use ICAO guidance, including the Safety Management Manual (3rd edition, 2013)
- Resolve safety issues using key SSP/SMS processes

WHO SHOULD ATTEND

- Airport managers
- Safety staff
- Operations staff
- Air traffic control and airline staff

DURATION: 10 DAYS



CREW RESOURCE MANAGEMENT

CRM training for pilots and cabin crew

HUMAN PERFORMANCE

- Human error
- Fitness and health
- Stress and sleep
- Information processing
- Situational awareness
- Workload
- Decision-making

CREW COORDINATION

- Introduction and background to CRM
- Standard operating procedures
- Communication
- Leadership and behavior
- Conflict
- Automation
- Non-technical skills assessment

OPERATIONAL THREATS

- Runway incursion
- Level bust
- Controlled flight into terrain (CFIT)
- Icing



FLIGHT STANDARDS

Pilot qualifications and operational safety

PILOT QUALIFICATIONS

International pathways for professional flight training and advanced pilot standards.

- EASA CPL with MCC course
- EASA AT
- ICAO
- ICAO ATPL

TRAINING FOCUS

Competency-based preparation for qualification, assessment and safe operational performance.

OPERATIONAL SAFETY

Targeted modules strengthen crew performance and runway safety awareness.

- Non-Technical Skills Assessment
- Runway Incursion prevention and awareness

APPLIED PRACTICE

- Decision-making under operational pressure
- Clear communication and situational awareness
- Standardized procedures and threat awareness

AIRCRAFT WEIGHT & LOAD CONTROL

Aircraft balance, loading and passenger handling

WEIGHT & BALANCE PRINCIPLES

Core knowledge for safe loading, aircraft stability and operational control.

- Theory of flight and the four forces
- Flight controls and standard weights
- Fuel, principles of balance and structural strength limits

BASIC AIRCRAFT HANDLING

- Aircraft and flight documentation
- Dimensional limits on loading
- Manual load and trim sheet

LOAD CONTROL COURSES

Practical modules for accurate loading, passenger flow and baggage accountability.

- Manual load control
- Automated load sheet
- Passenger handling
- Baggage service and awareness
- Lost and found procedures

APPLIED PRACTICE

- Safe loading decisions under time pressure
- Accurate documentation and handover



MANAGEMENT & HUMAN RESOURCES

Leadership capability for aviation operations

MANAGEMENT & LEADERSHIP

Practical programmes for stronger leadership, planning and decision-making in aviation teams.

Strategic Management	3 DAYS
Leadership Skills	2 DAYS
Management Skills	5 DAYS
Problem Solving and Decision Making	2 DAYS
Time Management	3 DAYS
Team Management	2 DAYS

HUMAN RESOURCES MANAGEMENT

Workforce planning and competency development aligned with operational needs.

Human Resources Management	5 DAYS
Competency-Based Training	4 DAYS
Strategic Human Resources Management	5 DAYS
Manpower Planning	3 DAYS
Succession Planning Workshop	2 DAYS
Training Plan by ADDIE Model	3 DAYS

LEARNING OUTCOME

Build accountable teams with clear roles, skills and development pathways.



Course Name: Managment and Leadership

Courses Name :		Courses Duration:
Strategic Managment	الإدارة الاستراتيجية	3 Days
Leadership Skills	مهارات القيادة	2 Days
Managment Skills	مهارات الادارة	5 Days
Problem Solving and Decision Making	حل المشكلات واتخاذ القرار	2 Days
Time Managment	إدارة الوقت	3 Days
Time Managment	فرق العمل	2 Days

Course Name: Human Resources Managment

Courses Name :	Courses Duration:
Human Resources Managment الموارد البشرية بين النظرية والتطبيق	5 Days
Competency Based Training التدريب القائم على الجدارة	4 Days
Strategic Human Resources ManagManagment الادارة الاستراتيجية للموارد البشرية	5 Days
Manpower Planning تخطيط الموارد البشرية	3 Days
Succession planning (work shop) إعداد خطة التعاقب القيادي وإعداد كوادر الصف الثاني	2 Days
Training plane by ADDIE model كيفية إعداد الخطة التدريبية بتطبيق نموذج	3 Days



Course Name: Human Resources Managment

Courses Name :	Courses Duration:
• Competency model كيفية إعداد نموذج الجدارات	2 Days
• Competency Based job description كيفية إعداد بطاقات الوصف القائمة على الجدارات	3 Days
• Recruitment and selection الإستقطاب والاختيار	3 Days
• Performance managment system نظام إدارة الأداء	3 Days
• Hr for Non Hr إدارة الموارد البشرية لغير العاملين في الموارد البشرية	4 Days
• Human Resource Information System نظام معلومات الموارد البشرية	3 Days
• Train Of the Trainer (TOT) تدريب المدربين	5 Days

Course Name: General

Courses Name :	Courses Duration:
• How Do you Plan For Your Future? كيف تخطط لمستقبلك	Days
• interviewing Skills (Work Shop) كيفية إجتياز المقابلات الشخصية	3 Days
• Customer Services خدمة العملاء	3 Days
• General English Cources	3 Days
• Aviation English Cources	4 Days





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Modern Land Aircraft Maintenance and Training Company

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