



Technician Training

H130/EC130 Field Maintenance Differences Training Course

4 DAYS/24 Hours

Classroom 20 Hours

Practical 4 Hours

Approved By: Ross McMichael _____ Date: _01/06/2021_

Instructor _____ Date ____/____/____

Rev. 2.2

AIRBUS



This course is comprised of a theoretical presentation and practical exercises necessary to adequately review the basic aircraft systems and perform certain maintenance tasks described in Airbus maintenance documentation. Following the successful completion of this course, the technician should be able to perform Organizational and Intermediate level maintenance tasks and procedures necessary to maintain the helicopter. This course does not include Depot level maintenance tasks and procedures as described below.

ORGANIZATIONAL LEVEL:

Complete maintenance checks and servicing, inspection for condition, and exchange of line replaceable units according to applicable documentation.

INTERMEDIATE LEVEL:

Repair on or off of the helicopter and extended periodical inspections according to applicable maintenance documentation. A maintenance facility, qualified personnel, test equipment, and special tools are required to perform these tasks.

DEPOT LEVEL:

Major repair or overhaul at the manufacturer or at an authorized service station according to special documentation. Tools / test equipment and specialized personnel trained in Depot level maintenance tasks.

PREREQUISITES:

- Currently Certified as an Airframe Maintenance Technician
- Two Years Minimum Experience as an Active Helicopter Maintenance Technician
- **Completion of Airbus approved H125/AS350B3 Field Maintenance course**

NOTICES:

Airbus Helicopters, Inc. reserves the right to notify customer of the occurrence of any force majeure condition that, in its sole discretion, is the cause of excusable delay. In the event of a force majeure condition, the services and/or classes will be extended or, if required, rescheduled for the first available opening. Airbus Helicopters, Inc. will not be liable for any costs, claims, or damages to customer or its employees arising from delays or interruptions caused by any force majeure condition.



The following items shall serve as the training points for a typical EC130/H130 series Helicopters maintenance training course focusing on field maintenance tasks as defined above. The course content shall be revised as necessary to reflect basic production helicopter configuration revision as subsequent aircraft are manufactured.

Introduction Classroom 1.5 hours

SCOPE: Introduction to the EC130/H130 Helicopters.

Structure Classroom 3.0 hours

SCOPE: Differences description, construction, maintenance, and inspection.

Tail Rotor Gearbox System Classroom 1.5 hours / Practical 1.0 hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the tail rotor gear box and drive shafts. Practical work consists of bearing removal, and replacement tail rotor gearbox input and output seals replacement.

Tail Rotor Hub (Fenestron) Classroom 1.5 hours / Practical 2.5 hours

SCOPE: Description, construction, maintenance of the fenestron. Practical work includes removal and reinstallation. the inspection criteria of the tail rotor blades, hub assembly, including pitch-change spider, inner and outer bearings, laminated tension torsion bars and blade bushing replacement dynamic balancing is covered.

Electrical Power System Classroom 2.0 hours

SCOPE: Differences description, operation of the electrical system including the post-mod multibloc electrical system.

Tandem Servos and Dual Hydraulics Classroom 2.0 hours / Practical 0.5 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the tandem servos and the dual hydraulic system. Practical work includes removal and reinstallation of the pumps, and the replacement of the gear box driven pump seals.



Fuel System

Classroom 1.5 Hours

SCOPE: Differences description, operation, maintenance, inspection and troubleshooting of fuel system including the post-mod rupture resistant fuel tank..

Lighting, Equipment and Furnishings

Classroom 1.0 hours

SCOPE: Differences description, operation and troubleshooting of the lighting and fire detection systems.

Engine Installation 2B1 / 2D

Classroom 2.5 hours

SCOPE: Description, engine operating controls, starting system, twist grip, fuel metering, engine back-up control ancillary unit, collective pitch and yaw anticipator operation and rigging. Troubleshooting techniques of engine failures codes. Engine removal and VEMD system operation.

Active Vibration Control System

Classroom 1.5 hours

SCOPE: Description ,AVCS system operation and troubleshooting techniques.

Air Conditioning and Heating

Classroom 2.0 hours

SCOPE: Description, cooling and heating system operation and troubleshooting techniques.

Exam

SCOPE: General review of material covered. 75% or better is required to pass the test