



Technician Training

EC130 / H130 series Familiarization Offsite Training Course

5 Days / 1 Week

Classroom 35 Hours

Practical 0 Hours

Approved By: Ross McMichael _____ Date: _01/06/2020_

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
- In special cases these prerequisites can be waived by the Training Manager

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 Familiarization training course, focusing on aircraft systems 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 0.5 hours

SCOPE: History of Airbus helicopters. Introduction to the EC130 / H130 series helicopter.

Publications Classroom 4.0 hours

SCOPE: Keycopter specifications as it applies to the ec130, construction, content, use, effectivity and revisions of the EC 130 Orion publications. Quiz covering material.

Structure Classroom 2.5 hours

SCOPE: Description, construction, maintenance, and inspection of the primary and secondary structure, **fenestron** and landing gear. Quiz covering the material.

Power Transmission to Main Rotor Classroom 3.0 hours

SCOPE: Description, construction, maintenance, troubleshooting and inspection of the gearbox, gearbox lubrication system, engine drive and rotor brake. Quiz covering the material.

Main Rotor Classroom 3.0 hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the main rotor shaft, head and blades including their new individual technology. Quiz covering the material.

Tail Rotor Gearbox (Fenestron) System Classroom 2.0 hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the tail rotor drive shaft, tail rotor gearbox and. Quiz covering the material.

Tail Rotor System Classroom 2.0 hours

SCOPE: Description, construction, maintenance, inspection of the **fenestron** tail rotor blades. Quiz covering the material.



Electrical Power System

Classroom 3.5 hours

SCOPE: Description, operation, maintenance and troubleshooting of the electrical system. Quiz covering the material.

Servo Controls and Hydraulic System

Classroom 2.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the servos and hydraulic system. Quiz covering the material.

Rotor Controls (Flight)

Classroom 2.0 hours

SCOPE: Description, construction, operation, maintenance and rigging of the flight controls. Quiz covering the material.

Fuel System

Classroom 2.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of fuel system. Quiz covering the material.

Instruments

Classroom 1.0 hours

SCOPE: Location, description, operation, maintenance, inspection and troubleshooting of all instruments and VEMD their respective systems.

Lighting, Equipment and Furnishings

Classroom 1.0 hours

SCOPE: Description, operation and troubleshooting of the lighting and fire detection systems. Description of available furnishings for the EC130. Quiz covering the material.

Engine Installation

Classroom 4.0 hours

SCOPE: Description, operation, maintenance and inspection of the engine/airframe interface. Airframe components of engine lubrication system and system operation. Quiz covering the material.



Active Vibration Devices

Classroom 1.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the active vibration control system and the anti-vibration device and cabin resonators. Quiz covering the material.

Air Conditioning

Classroom 1.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the air conditioning system. Quiz covering the material.

Review, Final Exam & Critique

Classroom 1.0 hours

SCOPE: General review of material covered. Final examination, review of examination.