H125/AS350B3 series Familiarization Training Course

5 Days / 1 Week
Classroom 30 Hours
Practical 0 Hours

Approved By: Ross McMichael_____ Date:01/06/2021_

Instructor_____Date ___/___/_____

Rev. 2.2

AIRBUS

This course is comprised of a theoretical presentation which will introduce the student to the basic systems of this helicopter. Upon successful completion of this course, the student will have a solid comprehension of the Organizational and Intermediate level maintenance tasks as described in the aircraft maintenance documentation. This course does not cover Depot level maintenance tasks or 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.

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 H125/AS350B3 series 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 1.0 hours

SCOPE: History of Airbus helicopters. Introduction to the H125 series helicopters.

Publications Classroom 2.0 hours

SCOPE: New O.R.I.O.N publication, ATA 100 specifications as it applies to the H125 series helicopters, construction, content, use, effectivity and Keycopter revisions of the H125 publications.

Structure Classroom 1.5 hours

SCOPE: Description, construction, maintenance, and inspection of the primary and secondary structure and landing gear.

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.

Main Rotor Classroom 4.5 hours

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

Anti-Vibration Devices Classroom 1.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of anti-vibration device and cabin resonators.

Tail Rotor Transmission System Classroom 1.5 hours

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

Tail Rotor System Classroom 1.0 hours.

SCOPE: Description, construction, maintenance, inspection of the tail rotor blades.

Electrical Power System Classroom 3.0 hours

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

Servo Controls and Hydraulic System Classroom 3.0 hours

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

Rotor Controls (Flight) Classroom 2.0 hours

SCOPE: Description, construction, operation, maintenance and igging of the flight controls.

Fuel System Classroom 1.5 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of fuel system.

Instruments Classroom 1.0 hours

SCOPE: Location, description, operation, maintenance, inspection and troubleshooting of all instruments and 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 furnishings available for the H125.

Engine Classroom 3.0 hours

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

Review, Final Exam and Critique

SCOPE: Students will be given a 75 question multiple choice closed book exam. The exam will question the students on information covered in the subjects preceding this exam. 75% or better is required to pass the test.