Technician Training

AS365N3 series
Field Maintenance Refresher Training Course

5 Days
Classroom 30 Hours
Practical as requested

Approved By: Ross McMichael_____Dated 01/06/2020
Instructor_____Dated ___/___/___

AIRBUS

This course is comprised of a theoretical presentation necessary to adequately review the basic aircraft systems and perform certain maintenance tasks described in Airbus maintenance documentation. Reviewof recent ASB/EASBs and modification to the AS365N3

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 AS365 series Airframe Field Maintenance course

NOTICES:

Airbus, 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, 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 AS365N3 series 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 .5 hours

SCOPE: History of airbus. Introduction to the AS365N3 series helicopter.

Publications Classroom 2.0 hours

SCOPE: This block of instruction will include construction, content, use, effectivity and revision procedures for Keycopter (O.R.I.O.N.) AIRBUS WORLD publications and the new ATA 100 specification revision 34 code numbering system.

Airframe Classroom 2.0 hours

SCOPE: This block of instruction will include the identification, description, and construction of the five main airframe sections and include cabin and baggage compartment dimensions, jacking and leveling procedures, maintenance and troubleshooting of the doors, windows and stabilizers .

Main Rotor Drive Classroom 3.0 Hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the spheriflex rotor head, and main rotor blades.

Main Rotor System Classroom 2.0 Hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the main rotor shaft.

Tail Rotor Drive System Classroom 2.0 Hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the tail rotor drive shafting, tail rotor gearbox and tail rotor.

Flight Controls Classroom 1.5 hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the main and tail rotor flight control systems to include rigging procedures.

Hydraulic Systems and Servo Controls Classroom 2.5 hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of each of the aircraft three hydraulic systems to include servo controls and monitoring of the systems. .

Landing Gear Classroom 2.5.hours,

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the landing gear system to include mechanical, hydraulic and electrical operations, and monitoring and control of the system

Fuel System Classroom 2.0 hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the airframe fuel system to include systems monitoring and controls.

Electrical System Classroom 3.0 Hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the D.C. Electrical systems to include automatic system functions and voltage regulation adjustment.

Powerplant Classroom 2.0 Hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the 2C power plant to include engine controls, systems monitoring, engine mounting, starting system and fire detection and extinguishing systems.

Miscellaneous Equipment Classroom 1.0 Hours

SCOPE: This block of instruction will include description, operation, maintenance, inspection and troubleshooting of the aircraft's miscellaneous equipment to include windshield wipers, lighting systems, instrument and cockpit controls. .

Indicating and Recording Systems Classroom 2.0 Hours

SCOPE: This block of instruction will include description, operation, maintenance and troubleshooting of the ancillary system units, caution advisory panel to include the CAD system.

Virtual Maintenance Trainer Classroom 2.0 Hours

SCOPE: This block of instruction will include the use of the VMT. The software allows the student to follow a training path as close to the maintenance procedure described in the work cards. Practical training will be carried out on equipment, engine removal and auto pilot functional tests. Location of H/C component in order to acquire knowledge on systems, maintenance and troubleshooting.

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