Technician Training

EC145 / BK117 C2
Field Maintenance Refresher
Training Course

5 Days
Classroom  30 Hours
Practical as requested

Approved By: Ross McMichael____________________ Date: 01/06/2020

Instructor____________________________________ Date___/___/___

Rev. 2.2
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
- Previous EC145/BK117 C2 Field maintenance course
- 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 EC145 / BK 117C2 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 1.0 hours**

**SCOPE:** Block of instruction shall include student orientation to the training facility, training materials, safety, policies, procedures, and any additional information relevant for the course.

**General**

**Classroom 3.0 hours**

**SCOPE:** Block of instruction shall include the general description and development of the BK117C2, Maintenance Concept, Documentation of the BK117 C-2, Illustrated Parts Catalog, Cockpit Arrangement, Overhead Panel, Instrument Panel, Warning Unit, Analog Back Up Instruments, Central Panel Display System (CPDS), Main Switch Panel, Pitot--Static System. Practical instruction shall include CPDS display manipulation, error code identification, and examples of the various maintenance page information.

**Lifting System**

**Classroom 4.0 hours**

**SCOPE:** Block of instruction shall include the general description, Main Rotor System, Main Rotor Head, Main Rotor Blades, Main Transmission, Main Transmission Monitoring and Indication, Transmission Mounts, Rotor Brake System, Drive Shaft.

**Fuselage**

**Classroom 2.0 hours**

**SCOPE:** Block of instruction shall include the general description of the Fuselage, Reference Planes, Leveling and Dimensional Check, Cabin Structure, Main Airframe Structure, Windows, Doors, Access Panels and Covers, Cowlings, Drain Lines and Handling.

**Tail Unit**

**Classroom 3.0 hours**

**SCOPE:** Block of instruction shall include the general description, Tail Boom, Tail Rotor Drive, Intermediate Transmission, Tail Rotor Transmission, and Tail Rotor.
Flight Control System


Landing Gear

SCOPE: Block of instruction shall include the general description and details regarding the crosstubes, skids, skid shoes, steps, design and ground clearance dimensions.

Power Plant


Standard Equipment


Avionics

**Electrical System**


**Inspections**