Pilot Training

AS350 B3 Recurrent Training Course

3 Days

Ground School	**9 Hours (2 Days)**
Sim	**1 Hours per Student**
Flight	**1.5 Hours per Student**

Rev. 3.1

AIRBUS

SCOPE:

This course will provide a complete Recurrency Ground School of the AS350 B3 helicopter. Classroom instruction, combined with handouts, will provide information for a thorough review and overall understanding of the aircraft. This review will cover normal procedures, aircraft limitations, and emergency procedures.

OBJECTIVE:

To provide a review of the fundamental knowledge of the aircraft and the aircraft systems necessary to conduct safe pre-flight, flight, and post-flight operations in the AS350 B3. Upon successful completion of this course the student should be able to conduct operations, within the limits of the flight manual, safely and efficiently.

COURSE PREREQUISITES:

Acceptance into this course is based upon these requirements:

- A current FAA issued Helicopter Pilot Certificate
- Valid Medical Certificate
- Multi-Engine Experience
- Current Helicopter Experience
- Successful Completion of the AS350 B3 Transition Course
- Attended a AS350 B3 Course within past 5 years

In special circumstances any of the above requirements may be waived with the approval of Airbus Helicopters, Inc.'s Chief Flight Instructor.

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 stated duration of the course is based on two student pilots per course. Additional student pilots may change the duration of the flight portion of the course. Airbus Helicopters Inc. instructor pilots fly a maximum of 4.5 hours per day.

Ground School 9 hours

Day 1

Registration and Orientation 0.3 hours

SCOPE: This block of instruction will cover registration and the course outline, Airbus Helicopters, Inc. Training School Operations, and an orientation of the facility

Limitations 1.7 hours

SCOPE: This block of instruction will cover a comprehensive review of aircraft and flight limitations.

VEMD 0.6 hours

SCOPE: This block of instruction will cover a detailed review the VEMD, including its operation and the configuration, maintenance, and performance functions. Relevant emergency procedures will be reviewed.

Main Rotor and Main Rotor Drive System 0.5 hours

SCOPE: This block of instruction will cover aircraft and flight limitations. A review questions segment will be conducted on the material presented.

Tail Rotor and Tail Rotor Drive System 0.5 hours

SCOPE: This block of instruction will cover the tail rotor gearbox, the tail rotor, their components, and monitoring systems. Relevant emergency procedures will be reviewed.

Hydraulic System 1.0 hours

SCOPE: This block of instruction will cover the hydraulic system including servo actuators, accumulators, and the yaw load compensator. System functions and operation including hydraulic tests will be covered. Relevant emergency procedures will be reviewed.

Electrical Power System 0.7 hours

SCOPE: This block of instruction will cover the direct current power sources, power system components, and their functions and operation. Relevant emergency procedures will be reviewed.

Day 1 continued

Fuel System 0.7 hours

SCOPE: This block of instruction will cover the fuel system components and their functions; fuel system operation, and monitoring. Relevant emergency procedures will be reviewed.

Day 2

Engine Oil System 0.4 hours

SCOPE: This block of instruction will cover the Arriel engine oil cooling system and oil monitoring system. Relevant emergency procedures will be reviewed.

Engine Fuel Control 0.8 hours

SCOPE: This block of instruction will cover the engine fuel controls and their operation principles, including the DECU/FADEC and EBCAU (if applicable). Relevant emergency procedures will be reviewed.

Engine Power Monitoring 0.5 hours

SCOPE: This block of instruction will cover engine and gear box power monitoring. Relevant emergency procedures will be reviewed.

Engine Fire Detection and Engine Failures 0.5 hours

SCOPE: This block of instruction will cover the engine fire detection system and indicators. Also covered will be autorotation and engine relight procedures. Engine fire and failure emergencies will be reviewed.

Performance 0.4 hours

SCOPE: This block of instruction will cover various Performance Charts as well as their usage and their application.

Flight Brief 0.4 hours

SCOPE: This block of instruction will cover a general flight brief including traffic pattern operations.

Flight Training 2.5 hours

Day 2 & 3

Flight 1 1.5 hours

- Cruise flight maneuvers
- Take off and approaches including running landings
- Hydraulic system failures
- Governor failures (B3 2B only)
- Tail rotor loss of control
- Autorotations

Simulator Flight 1.0 hours

- Start malfunctions
- Caution/warning lights
- System malfunctions
- Tail rotor loss of control
- Tail rotor loss of thrust