



Pilot Training

EC130 Maintenance Flight Procedure Training Course

2 Days

Ground School 8 Hours (2 Days)

Sim 0 Hours

Flight 1.5 Hours



SCOPE:

This course will provide training for maintenance flight procedures on the AS350B3 and/or EC130 helicopters equipped with Arriel 2B1 or Arriel 2D engines.

Classroom instruction will provide detailed information relating to the AS350 B3/EC130 aircraft flight manual section 8.3 and applicable performance charts. Relevant aircraft systems, regulations, and ADs will be reviewed. A detailed preflight inspection will also be performed. Flight training includes approx. 1.5 hours of functional ground checks, hover checks, and flight checks.

OBJECTIVE:

Classroom instruction will provide detailed information relating to the AS350 B3/EC130 aircraft flight manual to give the maintenance test pilot a thorough understanding of the requirements for evaluating aircraft performance after aircraft and/or engine maintenance actions.

COURSE PREREQUISITES:

Acceptance into this course is based upon these requirements:

- A current FAA issued Helicopter Pilot Certificate
- Valid Medical Certificate
- Current Helicopter Experience
- Completion of AS350B3 2B1/e or EC130B4/T2 Pilot Transition or Differences courses
- Recommend background in aircraft maintenance or previous aircraft maintenance flight test experience.

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

7.0 Hours

Day 1

Maintenance Flight Procedures

3.5 hours

SCOPE: This block of instruction will cover the required flight performance checks listed in section 8.3 of the Flight Manual. Along with the detailed explanation of the ground, hover, and flight checks, examples will be given and applicable aircraft systems will be reviewed and explained. The student will receive copies of the flight test sheets to prepare and use for the flight training.

Airworthiness Directives

0.5 hours

SCOPE: This block of instruction will cover the general AS350B3/EC130 and Turbomeca ARRIEL 2B1/2D Airworthiness Directives that may apply to the Maintenance Test Pilot.

Supplements

0.5 hours

SCOPE: This block of instruction will cover the effect of a sand filter (SUPP 14) on engine performance. Engine Health Check Charts for aircraft equipped with sand filters will be explained and examples given. The effect on performance by other additional equipment will also be discussed.

Regulations

1.0 hours

SCOPE: This block of instruction will cover relevant FAA regulations concerning maintenance, airworthiness, inspections, record keeping, and intervals. This will guide the Maintenance Test Pilot in complying with FARs pertaining to maintenance test flights.

Day 2

VEMD Review

1.0 hours

SCOPE: This block of instruction will cover a detailed review of the VEMD, with emphasis on the maintenance function.

Preflight & Post Flight Inspection

1.5 hours

SCOPE: This block of instruction will cover a detailed preflight inspection, including the aircraft preparation for the maintenance test flight. Upon termination of the flight, the aircraft will be re-inspected, the records evaluated, and logs filled out and signed off.



Flight Training

1.5 Hours

Day 2 continued

Preflight Checks & Ground Runs

0.3 hours

SCOPE: This block of instruction will cover the required pre-start checks in accordance with section 4 and SHEET1 of section 8.3 of the Flight Manual. The VEMD will be configured for the test flight and performance data checked and entered. A ground run will be performed according to SHEET 2 of section 8.3 of the Flight Manual.

Hover Checks

0.2 hours

SCOPE: This block of instruction will cover the hover checks in accordance with SHEET 3 of section 8.3 of the Flight Manual.

Flight and Shut Down Checks

1.0 hours

SCOPE: This block of instruction will cover the flight checks in accordance with SHEETS 4-7 of section 8.3 of the Flight Manual. An engine shut-down will be performed in accordance with section 4 and SHEET 2 of section 8.3 of the Flight Manual.