

TECHNICAL EVALUATION

FOR PILOT-MECHANICS



JAARS

DURATION

Monday–Friday: Maintenance, briefing and projects
Friday–Morning: Flight briefing
Monday–Friday: Flight

AIRCRAFT

Helio H-295 or Robinson R-44
(as appropriate)

MAINTENANCE PROJECTS

Maintenance projects are designed to assess the applicant’s knowledge, skills, and attributes by evaluating his or her current and potential level of ability in performing aircraft maintenance. A complete list of the knowledge, skills, and attributes—along with definitions—can be found by following the link below.

Types of projects: Engine overhaul and inspection, ignition systems repair and inspection, fuel system troubleshooting, electrical troubleshooting, sheet metal fabrication, aircraft inspections, and an oral exam covering a variety of maintenance situations.

MAINTENANCE DETAILS

The applicant’s knowledge, skills, and attributes will be assessed by observing his or her:

- Ability to manage an aviation maintenance event, which includes the ability to work independently and with others
- Knowledge of the requirements for the return to service of an aircraft after maintenance, including appropriate paperwork
- Ability to make reasonable estimates of the time and cost of various typical maintenance tasks
- Effective use of normally available technical resources, such as manufacturer’s bulletins, ADs, inspection aids, etc.
- Willingness and ability to work to high standards, appropriately set priorities, work in a clean and organized manner, and think independently while working within the established legal, professional, and organizational parameters.

FLIGHTS

6 flights total: 3 airwork, 2 pattern, 1 cross-country without GPS

FLIGHT DETAILS

Airwork periods are designed to assess the applicant’s knowledge, skills and attributes by evaluating the applicant’s current and potential level of ability in aircraft handling, as well as his or her current approach to standard procedures and close-tolerance flying. A complete list of the knowledge, skills, and attributes can be found by following the link below.

Pattern periods will continue to probe the applicant’s knowledge, skills and attributes as insights gained during the airwork periods are applied to a number and variety of patterns.

The cross-country flight will provide an opportunity for the applicant to apply his or her knowledge, skills and attributes to a cross-country project. Key areas looked at during this flight are planning and decision making. Although this flight has a simulated instrument component (for fixed wing evaluation), more emphasis will be placed on pilotage and DR skills during the low-level, VFR flight.

To learn more about the knowledge, skills, and attributes we’ll assess, [click here](#).