**This questionnaire is being administered to all individual applicants who have recently taken, for the first time, and passed an Airframe and/or Powerplant (A and/or P) Mechanic Certification test.**

1. During the previous 12 months which one of the following best describes the Mechanic certifications you earned?

O Airframe

O Powerplant

O Airframe/Powerplant

O Neither (please stop here and return the survey in the envelope provided)

1. How long has it been since you completed the computer knowledge test?

O Less than 1 month

O 1 to 3 months

O 3 to 6 months

O More than 6 months

3. How long has it been since you completed the oral and practical test?

O Less than 1 month

O 1 to 3 months

O 3 to 6 months

O More than 6 months

4. Did you obtain a copy of the Practical Test Standards (PTS) for the certificate or rating for which you were applying?

O Yes O No/Do not know

5. Did you use the PTS to help you prepare for the test?

O Yes O No

6. Did you graduate from an FAA-approved 14 CFR Part 147 Aviation Maintenance Technician School?

O Yes O No (If No, skip to Item 8 )

7. If you are a graduate of an FAA-approved 14 CFR Part 147 Aviation Maintenance Technician School, did you take your application to the local FAA Office to obtain authorization to test for the A and/or P certificate or rating?

O Yes O No

8. Did you meet the FAA’s experience requirements by actual practical experience?

O Yes O No

9. Which of the following most accurately describes your most recent practical test for the A and/or P certificate?

O A complete test (not interrupted) resulting in the issuance of a temporary certificate

O A pass/fail situation with a temporary certificate issued for one rating only

O An incomplete test discontinued due to one of the following; select one:

⁭ Interruption

⁭ Lack of adequate facilities or equipment

⁭ Examiner not prepared

⁭ Illness

⁭ Other nonperformance-related factor. Please explain.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. Did you take your oral and practical test simultaneously with another applicant?

O Yes O No

11. If yes, during which portion(s) were you simultaneously tested?

O Oral Portion

O Practical Portion

O Both Oral and Practical Portions

12. To what extent was the DME who conducted your oral and practical test prepared and organized to conduct the test when you arrived?

O Not at all

O Limited Extent

O Moderate Extent

O Considerable Extent

O Great Extent

13. To what extent was the oral portion of the test conducted in a place that was free from distractions?

 O Not at all

 O Limited Extent

 O Moderate Extent

 O Considerable Extent

 O Great Extent

14. To what extent did the examiner use a prepared written plan while conducting the oral and practical exam?

O Not at all

O Limited Extent

O Moderate Extent

O Considerable Extent

O Great Extent

15. How much time did you spend on the oral portion of your examination prior to beginning the practical portion?

O Less than 3 hours

O 3 to 4 hours

O 4 to 5 hours

O 5 to 6 hours

O 6 to 7 hours

O 7 to 8 hours

O More than 8 hours

O Conducted simultaneously with the practical

16. How much time did you spend on the practical portion of your examination?

O Less than 3 hours

O 3 to 4 hours

O 4 to 5 hours

O 5 to 6 hours

O 6 to 7 hours

O 7 to 8 hours

O More than 8 hours

17. Have you ever failed an oral or practical test for the A and/or P rating?

 O Yes O No

 If yes, please explain which rating and section \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

18. Did the DME conduct a pretest interview with you?

 O Yes O No

19. Did the DME conduct a post test out briefing with you?

 O Yes O No

20. How did you determine which DME to use for testing?

O Location

O Price

O Availability

O Referral

**Core Competencies**

**General**

21. Were you provided the opportunity to demonstrate your ability in performing any of the following?

O Using measuring equipment to measure a circuit or circuit component(s), voltage, current, resistance, or continuity

 O Determine the appropriateness of measurement(s) according to instructions/specifications.

 O Both

######  O Neither

 O Do not recall

22. Were you provided the opportunity to demonstrate your ability to calculate weight and balance, Center of Gravity, and complete the aircraft weight and balance documentation?

O Yes

O No

O Do not recall

23. Were you provided the opportunity to demonstrate your ability in performing any of the following?

1. Rigid line fabrication to include tube fittings, bending, and tube flaring.
2. Flexible line fabrication using replaceable fittings on at least one end.

O A

O B

O Both

O Neither

O Do not recall

24. Were you asked to demonstrate your ability in torquing to specification(s)?

O Yes

O No

O Do not recall

25. Were you provided the opportunity to demonstrate your abilities in safety wiring of aircraft component(s) or hardware?

O Yes

O No

O Do not recall

26. Were you asked to demonstrate your abilities in inspecting for and identifying two or more of the various forms of corrosion that affect aircraft?

O Yes

O No

O Do not recall

27. Were you provided the opportunity to demonstrate your ability to write appropriate entries on FAA Form 337, Major Repair and Major Alteration, indicating performance of a major repair, and make appropriate corresponding aircraft maintenance record entries?

O Yes

O No

O Do not recall

28. Were you provided the opportunity to demonstrate your abilities in being able to:

1. Read, comprehend, and apply information contained in a manufacturer's maintenance manual or illustrated parts manual?
2. Locate and list all applicable Airworthiness Directives (AD) for at least one particular make, model, and serial number of an aircraft, engine, propeller, or appliance?

O A

O B

O Both

O Neither

O Do not recall

###### **AIRFRAME (If you did not take the Airframe portion of the test for an Airframe certificate, please skip to Item 35)**

29. Were you provided the opportunity to demonstrate your abilities in the installation and removal of at least two or more types of rivets?

O Yes

O No

O Do not recall

30. Were you asked to demonstrate your ability to check and/or set control surface cable tension?

O Yes

O No

O Do not recall

31. Were you asked to examine an aircraft maintenance record, and determine if an inspection and/or maintenance was due?

O Yes

O No

O Do not recall

32. Were you asked to perform an inspection of an installed brake for serviceability?

O Yes

O No

O Do not recall

33. Were you asked to select and install a hydraulic seal?

O Yes

O No

O Do not recall

34. Were you asked to service a fuel system strainer?

O Yes

O No

O Do not recall

35. Were you provided the opportunity to demonstrate your skills in troubleshooting an electrical system or portion thereof, using appropriate tools and/or test equipment?

O Yes

O No

O Do not recall

###### **POWERPLANT (If you did not take the Powerplant portion of the test for a Powerplant certificate, please skip to Item 42)**

36. Were you asked to perform an inspection of a reciprocating and/or turbine engine installation in accordance with the manufacturer’s instructions?

O Yes

O No

O Do not recall

37. On which of the following were you provided the opportunity to demonstrate your skills while performing an inspection of engine, electrical, and/or mechanical instrument systems?

O Temperature

O Pressure

O RPM

O Rate of flow

O None of the above

38. On which of the following were you provided the opportunity to demonstrate your abilities to perform?

O Check engine timing.

O Check a magneto switch for proper operation.

O Inspect a turbine engine ignition system for proper installation.

O Inspect a starter/generator for proper installation.

O Inspect magneto points.

O None of the above.

39. On which of the following were you provided the opportunity to demonstrate your abilities?

O Check a fuel selector valve for proper operation.

O Inspect an engine fuel filter assembly for leaks.

O Inspect a repair to an engine fuel system.

O None of the above.

40. Were you asked to perform an inspection of an engine induction or airflow system which includes at least one of the following?

O Engine ice control system

O Induction manifolds

O Neither of the above

41. Were you asked to perform an inspection of an engine exhaust system and/or turbocharger system?

O Yes

O No

O Do not recall

42. Were you asked to perform an inspection of an engine which included any of the following?

1. Inspection of a propeller installation, and make a minor repair on an aluminum propeller.
2. Determine what minor propeller alterations are acceptable using the appropriate type certificate data sheet?

O A

O B

O Both

O Neither

43. Date completing this survey (today’s date).

44. In which state was your oral and/or practical conducted? \_\_\_\_\_\_\_\_\_\_\_\_\_