

A-25 Practical Exam Exercises

Practical Exercises

Each exercise provides the necessary information and documentation to assist the Candidate in successfully completing the exercise. Provisions are as follows:

- The Examiner will ensure that all components, hardware, and tools for the exercise are in good working order prior to assignment to the Candidate.
- Written or oral directions will be provided to the Candidate to successfully complete the exercise.
- A listing of any special tooling will be provided to the Candidate prior to each exercise.
- Each Candidate must bring to the exam a complete set of hand tools as listed in the assignment letter.
- Some exercises may require a verbal explanation to complete the exercise.
- If at any time the Candidate displays the potential for serious or fatal injury to themselves or others and/or possible damage to equipment, the exam will be stopped and the Candidate issued an unsuccessful completion of the practical exam.
- In the event the Candidate fails the practical exam follow the retake procedure as stated in the QAM.

A-25 Practical Exam Exercises

Title	Time
<p>PE0001</p> <p>PERFORM AN AIRCRAFT MAINTENANCE LOGBOOK (AML) ENTRY FOR A JUST ACCOMPLISHED REPETITIVE YELLOW PLACARD.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Copies of the following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page with discrepancy – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>40 MINUTES</p>
<p>PE0002</p> <p>PERFORM AN AIRCRAFT MAINTENANCE LOGBOOK (AML) ENTRY FOR A JUST ACCOMPLISHED REPETITIVE YELLOW PLACARD.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Copies of the following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page with discrepancy – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>40 MINUTES</p>
<p>PE0004</p> <p>PERFORM AN AIRCRAFT MAINTENANCE LOGBOOK (AML) ENTRY FOR A TAC ITEM.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Scenario worksheet B. The following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0005</p> <p>PERFORM AN AIRCRAFT MAINTENANCE LOGBOOK (AML) ENTRY FOR A TAC ITEM.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Scenario worksheet B. The following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>
<p>PE0007</p> <p>PERFORM AN AML ENTRY FOR A JUST ACCOMPLISHED PLACARD.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Copies of the following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page with discrepancy – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>
<p>PE0008</p> <p>PERFORM AN AML ENTRY FOR A BORROWED PART.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Copies of the following maintenance forms: <ul style="list-style-type: none"> – Blank Aircraft Maintenance Logbook (AML) Page – Blank MIC Sheet – Blank Placard Sheets – Blank E337A Borrowed Part Form C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0009</p> <p>PERFORM AN AML ENTRY FOR A BORROWED PART.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Copies of the following maintenance forms: <ul style="list-style-type: none"> – Blank Aircraft Maintenance Logbook (AML) Page – Blank MIC Sheet – Blank Placard Sheets – Blank E337A Borrowed Part Form C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>30 MINUTES</p>
<p>PE0010</p> <p>PERFORM AN AML ENTRY FOR A FAILED WHEEL ASSEMBLY.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Copies of the following maintenance forms: <ul style="list-style-type: none"> – Blank Aircraft Maintenance Logbook (AML) Page – Blank MIC Sheet – Blank Placard Sheets – Blank 8204-2 Special Handling Blue Tag Form C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>30 MINUTES</p>
<p>PE0011</p> <p>PERFORM A SCHEMATIC TRACE – LANDING GEAR CIRCUIT.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. A copy of the Landing Gear Circuit schematic C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>30 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0012 PERFORM A SCHEMATIC TRACE – B767 MAIN FUEL BOOST PUMP.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES
<p>PE0013 PERFORM A SCHEMATIC TRACE – FUEL SYSTEM CIRCUIT.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Fuel System schematic C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES
<p>PE0014 PERFORM AN ILLUSTRATED PARTS CATALOG (IPC) LOOKUP.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Copy of the worksheet B. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	35 MINUTES
<p>PE0016 PERFORM AN AIRCRAFT MAINTENANCE LOGBOOK (AML) ENTRY THAT INCLUDES A LMP DOWNGRADE AND A MIC SHEET.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. The following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page with discrepancy – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	35 MINUTES

A-25 Practical Exam Exercises

Title	Time
<p>PE0017</p> <p>PERFORM AN AIRCRAFT MAINTENANCE LOGBOOK (AML) ENTRY THAT INCLUDES A LMP DOWNGRADE AND A MIC SHEET.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. The following maintenance forms: <ul style="list-style-type: none"> – Aircraft Maintenance Logbook (AML) Page with discrepancy – Blank Maintenance Control Sheet (MIC) – Blank Placard Sheets C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>35 MINUTES</p>
<p>PE0020</p> <p>INSTALL, TORQUE AND SAFETY VARIOUS HARDWARE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Control Cable Simulator Box. B. Examiner selected aircraft hardware (bolts, nuts, castellated nuts, electrical connector, AN hardware) <ul style="list-style-type: none"> – Examiner may select more than one type of aircraft hardware for the exercise C. Safety Wire (various sizes) D. Cotter Pins (various sizes) E. Calibrated Torque Wrench F. Any extensions or adapters not listed in the standard tool kit G. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>30 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0021</p> <p>INSTALL, CHECK/ADJUST AND SAFETY A FLIGHT CONTROL CABLE TURNBUCKLE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Flight Control Cable simulator B. 5-300 lb. Cable Tensiometer C. Turnbuckle clips (MS21256-2) or, D. Corrosion resistant steel (0.041 in, dia.) Lockwire (MS20995C4) E. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>30 MINUTES</p>
<p>PE0024</p> <p>DEMONSTRATE HAND SIGNALS.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Reflective Safety Vest B. Safety Glasses C. Face Shield D. Hearing Protection E. Work Gloves F. Day-Glo or Lighted Wands G. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>20 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0026</p> <p>MEASURE AIRCRAFT DAMAGE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A damaged piece of fuselage skin. <ul style="list-style-type: none"> – The Examiner will inflict damage to a piece of scrap aircraft aluminum using the ball end of a ball peen hammer. Inflict a dent similar to that caused by a hail strike. – The Examiner will measure the length, width and depth of the damage and record the data under “Check Observed Performance”. – Once damage is inflicted and dimensions recorded the piece can be handed off to the Candidate. – At the completion of the exercise the scrap piece is to be discarded and not reused for another practical exam. B. Access to special tools and expendables. <ul style="list-style-type: none"> – Optical Micrometer (if available) – Straight edge – Vernier caliper C. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>20 MINUTES</p>
<p>PE0027</p> <p>ASSESS B737 AIRCRAFT DAMAGE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet. B. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>35 MINUTES</p>
<p>PE0028</p> <p>ASSESS B737 AIRCRAFT DAMAGE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet. B. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>30 MINUTES</p>

A-25 Practical Exam Exercises

Title		Time
PE0029	<p>ASSESS B767 AIRCRAFT DAMAGE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet. B. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES
PE0032	<p>INSTALL RIVETS TO SHEET METAL.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Access to an air source C. Air or Electric Drill D. Rivet gun E. Rivet layout print F. Selection of #5 and #6 rivets G. Cleco pliers H. 2 pieces of scrap sheet metal I. Vernier caliper or grip gage J. Bucking bar K. Deburring tool L. Rivet set M. Selection of drill bits N. Selection of spring clecos O. Access to the AA manual system P. Sharpie <p>Candidate may be required to accurately explain the task and processes involved.</p>	25 MINUTES
PE0033	<p>REMOVE RIVET(S) FROM SHEET METAL.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Access to an air source B. Riveted piece of sheet metal C. Air or electric drill D. Selection of drill bits E. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	20 MINUTES

A-25 Practical Exam Exercises

Title	Time
<p>PE0034</p> <p>PERFORM THE SETUP AND OPERATION OF A GROUND POWER UNIT OR AIR START CART.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Determine availability and obtain one of the following units: <ul style="list-style-type: none"> – An Air Start Cart, or – A Ground Power Unit B. If an aircraft is available for hook-up of the Air Start Cart or Ground Power Unit have the Candidate perform the proper connection procedures required. If no aircraft is available the Candidate must verbally explain the connection procedures to the Examiner. C. Access to operator’s instructions for unit used in this exercise. D. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>40 MINUTES</p>
<p>PE0036</p> <p>PERFORM A B737 “A” CHECK ON INTERIOR ITEMS AND CARGO COMPARTMENTS.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Electronic picture book (737 A Check.pdf). B. Aircraft Maintenance Logbook. C. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>60 MINUTES</p>
<p>PE0039</p> <p>PERFORM A B737 “PS” CHECK.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Electronic picture book (B737 PS Check.pdf). B. Aircraft Maintenance Logbook. C. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>60 MINUTES</p>

A-25 Practical Exam Exercises

Title		Time
PE0042	<p>PERFORM A GEAR PIN CHECK.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Access to the AA manual system B. Electronic Picture book for a B737 <p>Candidate may be required to accurately explain the task and processes involved.</p>	25 MINUTES
PE0044	<p>INSPECT TIRE FOR TREAD WEAR/DAMAGE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet. B. A copy of a blank Aircraft Maintenance Logbook (AML) page. C. Section of aircraft tire. D. Tire tread depth gauge (CPN 4126148) or 6" ruler. E. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES
PE0045	<p>PERFORM TIRE PRESURE CHECK AND SERVICE.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet. B. A copy of a blank Aircraft Maintenance Logbook (AML) page. C. An electronic picture book (B737 Tire Service.pdf). D. Access to the AA manual system. <p>Candidate may be required to accurately explain the task and processes involved.</p>	25 MINUTES

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Title	Time
<p>PE0051</p> <p>PERFORM TROUBLESHOOTING OF A/C FAULT: “PNEUMATIC CONTROLLER INOPERATIVE”.</p> <ul style="list-style-type: none"> A. Candidate will receive: B. Access to the AA manual system C. Scenario worksheet D. Logbook page with discrepancy E. Fault Isolation Manual (FIM) procedures F. Circuit Breaker Lock/Danger Tag G. Gremler diagram and schematic H. Gremler box I. POW9005 (28 volt power supply) J. Calibrated Multimeter K. Assortment of Multimeter adapter pins L. Jumper wires <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>
<p>PE0052</p> <p>PERFORM TROUBLESHOOTING OF A/C FAULT: “PRESSURE GAUGE PEGGED OUT THROUGHOUT FLIGHT”.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Access to the AA manual system B. Scenario worksheet C. Logbook page with discrepancy D. Fault Isolation Manual (FIM) procedures E. Circuit Breaker Lock/Danger Tag F. Gremler diagram and schematic G. Gremler box H. POW9005 (28 volt power supply) I. Calibrated Multimeter J. Uncalibrated Multimeter K. Assortment of Multimeter adapter pins L. Jumper wires (if required) <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>50 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0053</p> <p>PERFORM TROUBLESHOOTING OF A/C FAULT: "OVERHEAT LIGHT CAME ON, COULD NOT BE RESET".</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Access to the AA manual system B. Scenario worksheet C. Logbook page with discrepancy D. Fault Isolation Manual (FIM) procedures E. Circuit Breaker Lock/Danger Tag F. Gremler diagram and schematic G. Gremler box H. POW9005 (28 volt power supply) I. Calibrated Multimeter J. Uncalibrated Multimeter K. Assortment of Multimeter adapter pins L. Jumper wires (if required) <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>
<p>PE0054</p> <p>PERFORM TROUBLESHOOTING OF A/C FAULT: "CABIN TEMPERATURE CANNOT BE CONTROLLED".</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. Access to the AA manual system B. Scenario worksheet C. Logbook page with discrepancy D. Fault Isolation Manual (FIM) procedures E. Circuit Breaker Lock/Danger Tag F. Gremler diagram and schematic G. Gremler box H. POW9005 (28 volt power supply) I. Calibrated Multimeter J. Uncalibrated Multimeter K. Assortment of Multimeter adapter pins L. Jumper wires (if required) <p>Candidate may be required to accurately explain the task and processes involved.</p>	<p>45 MINUTES</p>

A-25 Practical Exam Exercises

Title	Time
<p>PE0056 PERFORM A SERVICE CHECK OF AN INTEGRATED DRIVE GENERATOR.</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Electronic picture file (IDG Oil Service Picture Book.pdf) C. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	35 MINUTES
<p>PE0060 DEMONSTRATE THE ABILITY TO LOCATE A MATERIAL SAFETY DATA SHEET (MSDS).</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES
<p>PE0061 DEMONSTRATE THE ABILITY TO LOCATE A MATERIAL SAFETY DATA SHEET (MSDS).</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES
<p>PE0062 DEMONSTRATE THE ABILITY TO LOCATE A MATERIAL SAFETY DATA SHEET (MSDS).</p> <p>Candidate will receive:</p> <ul style="list-style-type: none"> A. A copy of the worksheet B. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES

A-25 Practical Exam Exercises

Title		Time
PE0063	<p>DEMONSTRATE THE ABILITY TO LOCATE A MATERIAL SAFETY DATA SHEET (MSDS).</p> <p>Candidate will receive:</p> <ul style="list-style-type: none">A. A copy of the worksheetB. Access to the AA manual system <p>Candidate may be required to accurately explain the task and processes involved.</p>	30 MINUTES