

AME BASIC PRACTICAL SKILLS ASSESSMENT

Instructions

1. Before commencing the practical assessment, the Practical Assessor shall verify the identity of the candidate.
2. The candidate will only be assessed on the sections relevant to the category of AML that the candidate intends to apply for.
3. The items may be completed in different sessions following the completion of the training for the related topics in the training programme. However, all items must be passed within 6 months from the 1st attempt of any item. Otherwise, all items must be re-assessed.
4. The candidate may be given up to two attempts to demonstrate his/her competency in each item. Failing which, the candidate would have failed the item and should undergo remedial training before re-taking the assessment for the failed item.

Name of Candidate:

CAPELS PID No.:

Name of Assessor:

Date of Assessment:

Purpose of Test:

- Issuance of Initial AML
- Others: _____

Category(ies) of Licence applied for:

- B1
- B2

Section A – General (Mandatory)

No.	Item	Assessment	Remarks
A1	<p>Safety Precaution – Aircraft and Workshop (Reference M7.1)</p> <p>Ability to demonstrate knowledge in:</p> <p>(1) Aspects of safe working practices including precautions to take when working with electricity, gases especially oxygen, oils and chemicals; and</p> <p>(2) determining the appropriate fire extinguishing agents to be used for different types of fire.</p> <p>Ability to demonstrate skills in the correct use of:</p> <p>(1) Different type of fire extinguishers.</p> <p>(2) Body safety harness when working at height, especially when moving around aircraft over-wing, vertical and horizontal stabilizer.</p> <p>(3) Eye, feet, and ear protection devices; and</p> <p>(4) Respiratory protection equipment.</p>	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	

No.	Item	Assessment	Remarks
A2	<p>Workshop Practices (Reference M7.2) & Tools (Reference M7.3)</p> <p>Ability to demonstrate knowledge in:</p> <ol style="list-style-type: none"> (1) Care of tools, control of tools, use of workshop materials. (2) Dimensions, allowances and tolerances, standards of workmanship; (3) Calibration of tools and equipment, calibration standards; (4) Common hand tool; (5) Common power tool; and (6) Lubrication equipment and methods. <p>Ability to demonstrate skills in the correct use of:</p> <ol style="list-style-type: none"> (1) Non-digital/mechanical precision measuring tools; and (2) Electrical general test equipment. 	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	
A3	<p>Engineering Drawings, Diagrams and Standards (Reference M7.5)</p> <p>Ability to demonstrate knowledge in:</p> <ol style="list-style-type: none"> (1) Drawing types and diagrams, their symbols, dimensions, tolerances and projections; (2) Specification 100 of the Air Transport Association (ATA) of America; (3) Aeronautical and other applicable standards including ISO, AN, MS, NAS and MIL; and (4) Wiring diagrams and schematic diagrams. 	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	

Section B – For Category B1 only

No.	Item	Assessment	Remarks
B1	<p>Sheet Metal Work (Reference M7.14.1) and Riveting (Reference M7.8)</p> <p>Ability to demonstrate knowledge in:</p> <ol style="list-style-type: none"> (1) Marking out and calculation of bend allowance; (2) Sheet metal working, including bending and forming; (3) Inspection of sheet metal work; (4) Riveted joints, rivet spacing and pitch; (5) Tools used for riveting and dimpling; and (6) Inspection of riveted joints. <p>Ability to demonstrate skills in:</p> <ol style="list-style-type: none"> (1) Determining whether a damaged portion of an aircraft stressed skin needs a sheet metal repair for the despatch of an aircraft; and (2) Fabricating a structural sheet metal and riveting project to specification, using the underpinning knowledge listed above (i.e. Items 1-6 above). 	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	
B2	<p>Transmissions (Reference M7.12) and Control Cables (Reference M7.13)</p> <p>Ability to demonstrate knowledge in:</p> <ol style="list-style-type: none"> (1) Inspection of gears, backlash; (2) Inspection of belts and pulleys, chains and sprockets; (3) Inspection of screw jacks, lever devices, push-pull rod systems; and (4) Inspection and testing of control cables. <p>Ability to demonstrate skills in:</p> <ol style="list-style-type: none"> (1) Fabricating a flight control cable and installing it in a typical flight control system on a mock-up panel with drawings and instructions, including cable tensioning; and (2) Testing and troubleshooting of a flight control system fault or multiple faults to be simulated by the Assessor. 	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	

Section C – For Category B2 only

No.	Item	Assessment	Remarks
C1	<p>Avionic General Test Equipment (Reference M7.4)</p> <p>Ability to demonstrate knowledge in the correct use of:</p> <ul style="list-style-type: none"> (1) Ramp test set for the testing of VOR/GS/LOC and Marker Beacon equipment; (2) Ramp test set for the testing of DME, TCAS, LRRRA and Transponder equipment; and (3) Pitot-Static Tester. <p>Ability to demonstrate skills in:</p> <ul style="list-style-type: none"> (1) Setting up of a typical aircraft pitot-static system leak check and performing the leak check; and (2) Troubleshooting a leak or multiple leaks to be simulated by the assessor. 	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	
C2	<p>Electrical Wiring Interconnection System (EWIS) (Reference M7.7)</p> <p>Ability to demonstrate knowledge in:</p> <ul style="list-style-type: none"> (1) Continuity, insulation and bonding techniques and testing; (2) Use of crimp tools: hand and hydraulic operated; (3) Testing of crimp joints; (4) Connector pin removal and insertion; (5) Co-axial cables: testing and installation precautions; (6) Identification of wire types, their inspection criteria and damage tolerance; (7) Wiring protection techniques: Cable looming and loom support, cable clamps, protective sleeving techniques including heat shrink wrapping, shielding; and (8) EWIS installations, inspection, repair, maintenance and cleanliness standards. <p>Ability to demonstrate skills in:</p> <ul style="list-style-type: none"> (1) Fabricating a wire loom based on the specifications provided (wire type, gauge, length, connector part number and terminations part number, etc) and laying it out in on a mock-up board in accordance with the electrical drawings provided; and (2) Testing and troubleshooting an electrical fault or multiple faults to be simulated by the Assessor. 	<p><input type="checkbox"/> Pass</p> <p><input type="checkbox"/> Fail</p> <p>Attempt: _____</p>	

Assessment (To be filled by assessor) – Tick the boxes for items passed						
<input type="checkbox"/> A1	<input type="checkbox"/> A2	<input type="checkbox"/> A3	<input type="checkbox"/> B1	<input type="checkbox"/> B2	<input type="checkbox"/> C1	<input type="checkbox"/> C2
Overall Comments						
Signature of Assessor						

Verification by Training Manager (To be completed only when all applicable items are passed and within 6 months)	
Name of Training Manager (or Designate)	Signature/Date