

## **SECTION 11.3 CRITERIA FOR ASSESSMENT FOR LEVEL ONE (L1) MAINTENANCE AUTHORITY**

### **11.3.1 INTRODUCTION**

To qualify for a Level 1 (L1) Maintenance Authority, members must successfully complete the RAAus assessment available through the L1 Maintainer Training and Assessment Site within the RAAus website, or via an alternately arranged paper-based assessment.

A training package is available, consisting of a self-paced course utilising a range of resources, which include: a study guide, an FAA Publication providing maintainers with guidance on how to complete various maintenance and inspection tasks, a link to the CASA airworthiness directives (ADs) webpage and a links to other relevant resources. Annex A within this section, describes the basic elements of the training package.

Upon successful completion of the assessment, results advice will be sent to the member and will have the L1 authorisation added to their Pilot Certificate at the next renewal. In the interim, the results advice may be used as evidence of having satisfactorily completed the course.

Persons completing this training package are expected to:

- a) Complete the Study Guide; and
- b) Review the guidance material provided; and
- c) Complete the on-line assessment (50 multi-choice questions, 80% pass mark); and
- d) Provide feedback on the training and assessment package.

### **11.3.2 RECORD OF EXPERIENCE**

It is suggested that L1's maintain a separate record of their maintenance experience, listing aircraft type(s) and work performed. This may be useful if a L1 wishes to apply for an L2 maintenance authority at a later date, or, to assist with any audits that the HAM may request.

#### **ANNEX A - Level 1 Maintenance Syllabus**

##### **Element 1: Paperwork requirements**

##### **Code: PW**

##### **1.1. Assessment of paperwork required**

- Understanding of maintenance rules
- Appropriate entries into logbooks outlining work completed.
- Completion of worksheets related to the task undertaken
- Work carried out IAW manufacturer schedule or appropriate equivalent
- Work carried out with regard to Type Certified, LSA or Amateur Built categories
- Defect reporting requirements
- Confirm maintenance cycle due
- Confirm outstanding or recurring AD's/SB's
- Issuing a RAAus Tech Form 121 – Maintenance Release (MR) or another RAAus recognised release to service document including the use of a CASA maintenance release

<p><b>Element 2: Undercarriage</b></p> <p><b>Code: UC</b></p> <p>2.1. Landing gear assessment</p> <ul style="list-style-type: none"> <li>• Removal or installation of landing gear tyres</li> <li>• Repair of pneumatic tubes of landing gear tyres</li> <li>• Servicing of landing gear wheel bearings</li> <li>• Servicing of brake systems</li> <li>• Servicing of undercarriage structure including tail wheels</li> </ul>
<p><b>Element 3: Engine compartment</b></p> <p><b>Code: EN</b></p> <p>3.1. Engine compartment</p> <ul style="list-style-type: none"> <li>• Replacement, cleaning or setting of gaps of spark plugs</li> <li>• Replacement of batteries</li> <li>• Changing oil filters or air filters</li> <li>• Changing or replenishment of engine oil</li> <li>• Completion of manufacturer ANs, SBs and ADs</li> <li>• Work carried out IAW manufacturer schedule or appropriate equivalent</li> <li>• Understanding of maintenance rules</li> <li>• Appropriate entries into logbooks outlining work completed.</li> <li>• Completion of worksheets related to the task undertaken</li> </ul>
<p><b>Element 4: Line maintenance</b></p> <p><b>Code: LM</b></p> <p>4.1. Line maintenance</p> <ul style="list-style-type: none"> <li>• Replacement of defective safety wiring or spilt pins</li> <li>• Replacement of side windows</li> <li>• Replacement of seats</li> <li>• Repairs to upholstery or decorative furnishings inside the cockpit</li> <li>• Replacement of seat belts or harnesses</li> <li>• Replacement or repair of signs and markings</li> <li>• Replacement of bulbs, reflectors, glasses, lenses, and lights</li> <li>• Lubrication of components</li> <li>• Replenishment of hydraulic fluid</li> <li>• Application of preservative or protective materials</li> </ul>
<p><b>Element 5: Glider tow hooks</b></p> <p><b>Code: GT</b></p> <p>3.1. Glider tow hooks</p> <ul style="list-style-type: none"> <li>• Removal or replacement of glider tow hooks (excludes overhaul of tow hooks or servicing, replacement of springs and load testing)</li> </ul>

<p><b>Element 6: Flight control system</b></p> <p><b>Code: FC</b></p> <p>6.1. Flight control inspection</p> <ul style="list-style-type: none"> <li>• Carrying out an inspection of a flight control system that has been assembled, adjusted, repaired, modified, or replaced</li> </ul>
<p><b>Element 7: Airframe</b></p> <p><b>Code: AF</b></p> <p>7.1</p> <ul style="list-style-type: none"> <li>• Inspect IAW manufacturer's instructions</li> <li>• Hazard identification</li> <li>• Reporting of discrepancies via the OMS</li> </ul>
<p><b>Element 8: Propeller</b></p> <p><b>Code: PR</b></p> <p>8.1</p> <ul style="list-style-type: none"> <li>• Inspect IAW propeller manufacturer's instructions</li> <li>• Tracking and fitment</li> <li>• Balancing</li> <li>• Replace or repair IAW propeller manufacturer's instructions</li> </ul>
<p><b>Element 9: Timber Structures</b></p> <p><b>Code: TS</b></p> <p>9.1</p> <ul style="list-style-type: none"> <li>• Inspect IAW with manufacturer's instructions</li> <li>• Inspect timber structures IAW FAA AC43.13-1b Chapter 1 Section 3</li> </ul>
<p><b>Element 10: Composite Structures</b></p> <p><b>Code: CS</b></p> <p>10.1</p> <ul style="list-style-type: none"> <li>• Inspect composite structures IAW manufacturer's instructions</li> <li>• Hazard identification</li> <li>• Safety equipment</li> </ul>
<p><b>Element 11: Fabric Covering</b></p> <p><b>Code: FC</b></p> <p>11.1</p> <ul style="list-style-type: none"> <li>• Inspect fabric covering IAW manufacturer's specifications</li> <li>• Inspect fabric covering IAW FAA AC43.13-1b Chapter 2 Section 3</li> <li>• Inspection using a Bettometer instrument</li> <li>• Hazard identification</li> </ul> <p>Safety equipment</p>