

Name of Assessed Person:

Registration:

| UNIT MEA158: Perform Basic Hand Skills, Standard Trade Practices and Fundamentals in Aviation Maintenance | | | | | | |
|--|---|----------------|--------|--------|--------|--|
| 1. Select tools and equipment suited to task requirements | a. Laying Out and Fabricating Simple Items from Common Aircraft Materials | No. of Entries | 1 | 2 | 3 | |
| | | Ass. Sign. | | | | |
| | | Ass. No. | | | | |
| | | Date | | | | |
| | | Simulated | Yes No | Yes No | Yes No | |
| | b. Assembling items using a representative range of Common Types of Aircraft Attachment Hardware for which relevant Fits and Clearances, appropriate Safety Locking Devices and Fasteners, including lockwire, and applicable lubricants are correctly selected and applied | No. of Entries | 1 | 2 | 3 | |
| | | Ass. Sign. | | | | |
| | | Ass. No. | | | | |
| | | Date | | | | |
| | | Simulated | Yes No | Yes No | Yes No | |
| | c. Assemble and connect common aircraft connectors and plumbing, and apply safety locking devices where applicable | No. of Entries | 1 | 2 | 3 | |
| | | Ass. Sign. | | | | |
| | | Ass. No. | | | | |
| | | Date | | | | |
| | | Simulated | Yes No | Yes No | Yes No | |
| | d. Identify aircraft control cables and related cable system hardware; and assemble and connect aircraft control cables, applying safety locking devices where applicable | No. of Entries | 1 | 2 | 3 | |
| Ass. Sign. | | | | | | |
| Ass. No. | | | | | | |
| Date | | | | | | |
| Simulated | | Yes No | Yes No | Yes No | | |
| <p>Performance Criteria:</p> <p>1.1 Available information from relevant documentation and/or other sources, including communication with other personnel, is interpreted and assessed to determine the task and tooling requirements.</p> <p>1.2 Select hand and/or power tools and equipment suitable for use in required task, including lubrication equipment and lubricants.</p> <p>1.3 Check all tools and equipment to be used for condition or calibration, where necessary.</p> <p>1.4 Identify unsafe or faulty tools and equipment and mark them for repair according to organisational procedures.</p> | | | | | | |

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| | | | | | |
|--|---|----------------|--------|--------|--------|
| <p>1. Cont'd Select tools and equipment suited to task requirements.</p> | <p>e. Identify, inspect and use lubrication equipment</p> | No. of Entries | 1 | 2 | 3 |
| | | Ass. Sign. | | | |
| | | Ass. No. | | | |
| | | Date | | | |
| | | Simulated | Yes No | Yes No | Yes No |
| | <p>f. Determine correct lubricants for specified applications</p> | No. of Entries | 1 | 2 | 3 |
| | | Ass. Sign. | | | |
| | | Ass. No. | | | |
| | | Date | | | |
| | | Simulated | Yes No | Yes No | Yes No |

Performance Criteria:

- 1.1 Available information from relevant documentation and/or other sources, including communication with other personnel, is interpreted and assessed to determine the task and tooling requirements.
- 1.2 Select hand and/or power tools and equipment suitable for use in required task, including lubrication equipment and lubricants.
- 1.3 Check all tools and equipment to be used for condition or calibration, where necessary.
- 1.4 Identify unsafe or faulty tools and equipment and mark them for repair according to organisational procedures.

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|---|---|----------------|-----|-----|-----|-----|-----|
| 2. Use tools and equipment, applying standard trade practices | a. Laying Out and Fabricating Simple Items from Common Aircraft Materials | No. of Entries | 1 | 2 | 3 | | |
| | | Ass. Sign. | | | | | |
| | | Ass. No. | | | | | |
| | | Date | | | | | |
| | | Simulated | Yes | No | Yes | No | Yes |
| | b. Assembling items using a representative range of Common Types of Aircraft Attachment Hardware for which relevant Fits and Clearances, appropriate Safety Locking Devices and Fasteners, including lockwire, and applicable lubricants are correctly selected and applied | No. of Entries | 1 | 2 | 3 | | |
| | | Ass. Sign. | | | | | |
| | | Ass. No. | | | | | |
| | | Date | | | | | |
| | | Simulated | Yes | No | Yes | No | Yes |
| | c. Assembling/Connecting a Range of Common Aircraft Connectors and Plumbing, Applying Safety Locking Devices where applicable | No. of Entries | 1 | 2 | 3 | | |
| | | Ass. Sign. | | | | | |
| | | Ass. No. | | | | | |
| | | Date | | | | | |
| | | Simulated | Yes | No | Yes | No | Yes |
| | d. Assembling/Connecting Aircraft Control Cables and Applying Safety Locking Devices where applicable | No. of Entries | 1 | 2 | 3 | | |
| Ass. Sign. | | | | | | | |
| Ass. No. | | | | | | | |
| Date | | | | | | | |
| Simulated | | Yes | No | Yes | No | Yes | No |
| Performance Criteria: | | | | | | | |
| 2.1 Use selected tools and equipment according to work health and safety (WHS) requirements and standard practices to ensure correct outcome is achieved safely, efficiently, and without damage to components and tooling. | | | | | | | |
| 2.2 Manufacture simple items using basic engineering hand skills. | | | | | | | |
| 2.3 Select and use common types of aircraft attachment hardware. | | | | | | | |
| 2.4 Select and use common types of safety locking devices and fasteners. | | | | | | | |
| 2.5 Lockwire aircraft components, devices and hardware in the correct manner, using the appropriate wire gauge. | | | | | | | |
| 2.6 Assemble and connect common types of aircraft connectors and plumbing. | | | | | | | |

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|---|--|----------------|--------|--------|--------|--|
| 2. Cont'd Use tools and equipment, applying standard trade practices. | e. Identify, inspect and use lubrication equipment | No. of Entries | 1 | 2 | 3 | |
| | | Ass. Sign. | | | | |
| | | Ass. No. | | | | |
| | | Date | | | | |
| | | Simulated | Yes No | Yes No | Yes No | |
| | f. Determine correct lubricants for specified applications | No. of Entries | 1 | 2 | 3 | |
| | | Ass. Sign. | | | | |
| | | Ass. No. | | | | |
| | | Date | | | | |
| | | Simulated | Yes No | Yes No | Yes No | |
| Performance Criteria: 2.1 Use selected tools and equipment according to work health and safety (WHS) requirements and standard practices to ensure correct outcome is achieved safely, efficiently, and without damage to components and tooling. 2.2 Manufacture simple items using basic engineering hand skills. 2.3 Select and use common types of aircraft attachment hardware. 2.4 Select and use common types of safety locking devices and fasteners. 2.5 Lockwire aircraft components, devices and hardware in the correct manner, using the appropriate wire gauge. 2.6 Assemble and connect common types of aircraft connectors and plumbing. | | | | | | |

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|---|---|----------------|-----|-----|-----|-----|-----|
| 3. Store tools and equipment. | a. Laying Out and Fabricating Simple Items from Common Aircraft Materials | No. of Entries | 1 | 2 | 3 | | |
| | | Ass. Sign. | | | | | |
| | | Ass. No. | | | | | |
| | | Date | | | | | |
| | | Simulated | Yes | No | Yes | No | Yes |
| | b. Assembling items using a representative range of Common Types of Aircraft Attachment Hardware for which relevant Fits and Clearances, appropriate Safety Locking Devices and Fasteners, including lockwire, and applicable lubricants are correctly selected and applied | No. of Entries | 1 | 2 | 3 | | |
| | | Ass. Sign. | | | | | |
| | | Ass. No. | | | | | |
| | | Date | | | | | |
| | | Simulated | Yes | No | Yes | No | Yes |
| | c. Assembling/Connecting a Range of Common Aircraft Connectors and Plumbing, Applying Safety Locking Devices where applicable | No. of Entries | 1 | 2 | 3 | | |
| | | Ass. Sign. | | | | | |
| | | Ass. No. | | | | | |
| | | Date | | | | | |
| | | Simulated | Yes | No | Yes | No | Yes |
| | d. Assembling/Connecting Aircraft Control Cables and Applying Safety Locking Devices where applicable | No. of Entries | 1 | 2 | 3 | | |
| Ass. Sign. | | | | | | | |
| Ass. No. | | | | | | | |
| Date | | | | | | | |
| Simulated | | Yes | No | Yes | No | Yes | No |
| Performance Criteria: | | | | | | | |
| 3.1 Undertake operational maintenance of tools and equipment according to standard workshop procedures. | | | | | | | |
| 3.2 Store tools and equipment safely and securely in line with organisational procedures. | | | | | | | |

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| | | | | | |
|--|--|----------------|--------|--------|--------|
| 3. Cont'd Store tools and equipment | e. Identify, inspect and use lubrication equipment | No. of Entries | 1 | 2 | 3 |
| | | Ass. Sign. | | | |
| | | Ass. No. | | | |
| | | Date | | | |
| | | Simulated | Yes No | Yes No | Yes No |
| | f. Determine correct lubricants for specified applications | No. of Entries | 1 | 2 | 3 |
| | | Ass. Sign. | | | |
| | | Ass. No. | | | |
| | | Date | | | |
| | | Simulated | Yes No | Yes No | Yes No |

Performance Criteria:

- 3.1 Undertake operational maintenance of tools and equipment according to standard workshop procedures.
- 3.2 Store tools and equipment safely and securely in line with organisational procedures.

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Confirmation of Underpinning Knowledge and Skills to Perform Basic Hand Skills, Standard Trade Practices and Fundamentals in Aviation Maintenance

Competency must be assessed in the work environment, or by use of simulated activities. Candidate capability of providing the required performance and knowledge evidence must be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Implementation Guide).

| UNIT MEA158: Perform Basic Hand Skills, Standard Trade Practices and Fundamentals in Aviation Maintenance | Date/ MTO Stamp |
|--|-----------------|
| Evidence has been confirmed of the attainment of the following pre-requisite units of competency (as they are related to attainment of the elements of competency specified in this unit). <p style="text-align: center;">156, 157</p> | |
| Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation. <p style="text-align: center;">OR</p> Assessment has been conducted to determine that the underpinning knowledge and skills have been achieved in accordance with the Competency Unit. | |

Certification of Unit Completion

I certify that I have reviewed the certification of the elements for this competency unit and that all of the competency unit requirements have been met.

Signed: _____ **Assessor No.** _____ **MTO:** _____ **Date:** _____

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Registration:

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