



**Australian Government**

**MEAMEC0026 Maintain aircraft basic  
hydraulic and pneumatic components or  
component parts**

**Release: 1**

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# **MEAMEC0026 Maintain aircraft basic hydraulic and pneumatic components or component parts**

## **Modification History**

Release 1. Application changed. Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA329 Maintain aircraft basic hydraulic and pneumatic components or parts.

## **Application**

This unit describes the skills and knowledge required to apply hand skills and use maintenance documentation to maintain, repair and modify aircraft basic hydraulic and pneumatic components during scheduled or unscheduled maintenance under the guidance of a qualified person. Work under the guidance of a qualified person may be performed individually or as part of a team.

This unit applies to fixed and rotary wing aircraft components either attached to the aircraft or in a workshop.

Note that the scope of any repair or modification and the procedure to be followed will be provided by the qualified person, and be within the scope of the skills and knowledge included in the unit of competency MEA158 Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Civil Aviation Safety Authority (CASA) and the Defence Aviation Safety Authority (DASA).

Any other relevant legislation, industry standards and codes of practice within Australia must be applied.

## **Pre-requisite Unit**

MEA107 Interpret and use aviation maintenance industry manuals and specifications

MEA154 Apply work health and safety practices in aviation maintenance

MEA155 Plan and organise aviation maintenance work activities

MEA156 Apply quality standards during aviation maintenance activities

MEA157 Complete aviation maintenance industry documentation

MEA158 Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance

## **Competency Field**

Aviation maintenance

## Elements and Performance Criteria

| Elements  | Performance Criteria  |
|---|---|
| Elements describe the essential outcomes.   | Performance criteria describe the performance needed to demonstrate achievement of the element.   |
| 1. Prepare to dismantle, inspect, maintain and assemble basic hydraulic and pneumatic components or component parts | <p>1.1 Remove and disassemble components or component parts in accordance with enterprise procedures, relevant maintenance documentation and qualified person guidance</p> <p>1.2 Confirm maintenance and repair requirements as defined by the qualified person, enterprise procedures and the relevant maintenance documentation are understood</p> <p>1.3 Specify tagging and repair instructions in accordance with enterprise procedures and qualified person directions for parts requiring specialist repair</p> <p>1.4 Select and prepare appropriate materials, tools, equipment and assembly or fabrication jigs, when required, for the particular maintenance and repair requirements in accordance with enterprise procedures and relevant maintenance documentation</p> |
| 2. Dismantle, inspect, maintain and assemble basic hydraulic and pneumatic components or component parts            | <p>2.1 Carry out routine maintenance, repair or modification procedures in accordance with manufacturers' bulletins, required enterprise procedures and specifications while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE)</p> <p>2.2 Assemble component parts within specified tolerances and in accordance with enterprise procedures and the appropriate maintenance documents</p> <p>2.3 Provide assistance, where applicable and as required by the qualified person, in the final adjustment and testing of components to confirm serviceability</p>  |
| 3. Complete maintenance and repair activities   | <p>3.1 Complete required documentation and process in accordance with standard enterprise procedures</p> <p>3.2 Tag, seal and pack components within specified procedures</p>   |

## Foundation Skills

- This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.
- Reading skills to interpret maintenance documentation and procedures.

- Writing skills to complete maintenance documentation.
- Numeracy skills to interpret and communicate technical information.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

## Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA329 Maintain aircraft basic hydraulic and pneumatic components or parts.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>