



Australian Government

**MEA398 Remove and install aircraft
hydro-mechanical and landing gear system
components**

Release: 1

MEA398 Remove and install aircraft hydro-mechanical and landing gear system components

Modification History

Release 1. Equivalent to MEA302 Remove and install aircraft hydro-mechanical and landing gear system components. Revised as a result of changed prerequisites. Unit codes updated.

Application

This unit of competency describes the skills and knowledge required to remove and install aircraft hydro-mechanical system and landing gear components. It requires the application of hand skills and standard trade practices. Maintenance may be performed individually or as part of a team.

The unit applies to both fixed and rotary wing aircraft during the performance of scheduled and unscheduled maintenance. It is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA).

This unit forms part of the CASA requirement for maintenance certification licences under Civil Aviation Safety Regulation (CASR) Part 66. Where a CASA licensing outcome is sought, users must refer to the licensing provisions in the MEA Aeroskills Companion Volume Implementation Guide.

Pre-requisite Unit

MEA154 Apply work health and safety practices in aviation maintenance

Competency Field

Aviation maintenance

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Remove hydro-mechanical system components

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Render hydro-mechanical system safe and prepared according to applicable maintenance manual, including fitting isolation tags where necessary to ensure personal safety

ELEMENTS

PERFORMANCE CRITERIA

- | | | |
|---|-----|---|
| | 1.2 | Remove hydro-mechanical components according to applicable maintenance manual and work health and safety (WHS) requirements |
| | 1.3 | Complete and process required maintenance documentation |
| | 1.4 | Tag, seal, and package removed components according to specified procedures |
| 2. Remove landing gear components | 2.1 | Jack aircraft as specified in maintenance manual for landing gear component removal |
| | 2.2 | Remove components according to applicable maintenance manual and WHS requirements |
| | 2.3 | Complete and process required maintenance documentation |
| | 2.4 | Tag, seal, and package removed components according to specified procedures |
| 3. Install hydro-mechanical system components | 3.1 | Check components to be installed to confirm correct part numbers, serviceability, and modification status |
| | 3.2 | Install components according to applicable maintenance manual and WHS requirements |
| | 3.3 | Complete and process required maintenance documentation according to standard organisational procedures |
| 4. Install landing gear components | 4.1 | Check components to be installed to confirm correct part numbers, serviceability, and modification status |
| | 4.2 | Install components according to applicable maintenance manual and WHS requirements |
| | 4.3 | Complete and process required maintenance documentation according to standard organisational procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Equivalent to MEA302 Remove and install aircraft hydro-mechanical and landing gear system components.

Links

Companion Volume implementation guides are found in VETNet -

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