# MEA301 Perform aircraft flight servicing

**Release: 1**

# MEA301 Perform aircraft flight servicing

## Modification History

Release 1 - New unit of competency

## Application

This unit of competency requires application of hand skills and standard trade practices in the performance of pre and post-flight servicing activities and the application of aircraft ground handling procedures on both fixed and rotary wing aircraft.

The unit is part of Avionic and Mechanical Certificate IV (Aircraft Maintenance Stream) training pathways.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation safety Authority (CASA).

Where a CASA licensing outcome is sought this unit forms part of the CASA requirement for the granting of the chosen maintenance certification licence under Civil Aviation Safety Regulation (CASR) Part 66, in accordance with the licensing provisions in the Companion Volume Implementation Guide.

## Pre-requisite Unit

| MEA101 | Interpret work health and safety practices in aviation maintenance |
| MEA103 | Plan and organise aviation maintenance work activity |
| MEA105 | Apply quality standards applicable to aviation maintenance processes |
| MEA107 | Interpret and use aviation maintenance industry manuals and specifications |
| MEA108 | Complete aviation maintenance industry documentation |
| MEA109 | Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance |

## Competency Field

Aviation maintenance

# Unit Sector

# Elements and Performance Criteria

| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
|---|---|
| 1. Prepare for flight | 1.1 Aircraft is positioned as required |
| | 1.2 Ground locks, aircraft support and safety devices and covers are removed and stowed in accordance with maintenance documentation |
| | 1.3 Aircraft tie-down devices are removed and stowed/stored |
| 2. Inspect aircraft and systems | 2.1 Preparation of the aircraft and systems is appropriate to allow for proper inspection |
| | 2.2 Aircraft and systems are visually or physically checked for external signs of defects in accordance with maintenance documentation while observing all relevant work health and safety (WHS) requirements |
| 3. Replenish aircraft systems | 3.1 Fluid level checks and replenishments are carried out in accordance with maintenance documentation requirements while observing all relevant WHS requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE) |
| | 3.2 Maintenance of gaseous levels (nitrogen and compressed air) is carried out in accordance with maintenance documentation requirements while observing all relevant WHS requirements, including the use of MSDS and items of PPE |
| | 3.3 Role equipment/components requiring pre-flight replacement are changed as required by maintenance documentation |
| | 3.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures |

# Foundation Skills

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

# Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

| | |
|---|---|
| **Flight servicing activities are performed during:** | • Preparation for flight following maintenance<br>• Before flight servicing<br>• After flight servicing<br>• Turn around servicing |
| **Maintenance documentation includes:** | • Maintenance manuals<br>• Servicing schedules<br>• Applicable airworthiness regulations<br>• Aircraft maintenance program |
| **Procedures and requirements include:** | • Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise |

# Unit Mapping Information

Release 1 – equivalent to MEA301C Perform aircraft flight servicing

# Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371

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