



Australian Government

Assessment Requirements for MEAMEC0051 Maintain and repair small aircraft mechanical components and parts

Release: 1

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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 MEA364 Maintain and/or repair small aircraft mechanical components or parts.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- recognise the state of serviceability and repair requirements and maintain (clean, inspect for wear or damage and adjust and lubricate, where applicable) or repair (showing standard techniques for pipes and replacement of eye-ends, tubes or bearings for control rods/pulleys/sprockets and bushes or bearings for bellcranks and links) at least three of the following components or parts that are applicable to the enterprise:
 - hoses
 - pipes
 - cables, pulleys, chains, sprockets and gear drives
 - control rods, bellcranks, links and screwjacks
 - trim panels; linings; seats; cabin equipment and consoles; coverings; and emergency equipment stowage, including passenger escape systems, life jackets, rafts, location transmitters, cargo, crew or passenger seat restraints.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- mechanical component operation and repair procedures and processes of:
 - hoses
 - pipes
 - cables, turnbuckles and tensioning devices
 - pulleys
 - chains and sprockets
 - gear drives
 - screwjacks
 - control rods
 - bellcranks
 - links

- internal fittings and emergency equipment operation, construction, installation and maintenance and repair of:
 - trim panels
 - linings and coverings
 - seats and crew/passenger restraints
 - cargo restraints
 - cabin equipment and consoles
- emergency equipment inspection and stowage requirements of:
 - passenger escape systems
 - life jackets
 - rafts
 - emergency location transmitters
- maintenance and repair:
 - work health and safety (WHS) procedures, including the selection and use of items of personal protective equipment (PPE)
 - maintenance manuals, standards and specifications
 - regulatory requirements and standard procedures
- how to obtain relevant material safety data sheets (MSDSs)
- how to identify suitable adhesives and patching materials for upholstery and trim
- inspection and test requirements for restraint system components
- safe stowage requirements for items of emergency equipment
- how to determine serviceability of items of emergency equipment.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulators Defence Aviation Safety Authority (DASA) and Civil Aviation Safety Authority (CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in maintaining and repairing small aircraft mechanical components and parts. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
- workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials encountered in maintaining and repairing small aircraft mechanical components and parts
- tools and equipment specified in maintenance documentation.
- general- and special-purpose tools and test equipment found in most routine situations.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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