



Australian Government

Assessment Requirements for MEAMEC0059 Perform mechanical elementary maintenance

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 MEA372 Perform mechanical elementary maintenance.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to perform mechanical elementary maintenance covering the following tasks:

- replace defective locking wire or split pins used outside of flight control systems
- remove and install passenger or crew seat safety restraints
- remove and install co-pilot control levers
- remove and install simple hose connections not requiring special tools or bench assembly (excludes hydraulic connections and engine compartment fuel and oil pressure or scavenge hose connections)
- remove and install prefabricated fuel lines
- remove and install aircraft wheels or skids, including servicing and inspection of wheel bearings and replacement of tyres
- remove and install engine cowls not requiring propeller removal or disconnection of engine controls
- remove and install non-structural passenger cabin partitions
- replace side windows in non-pressurised cabins
- remove and install spark plugs, includes cleaning and setting of gap clearance
- perform engine cylinder compression tests
- remove and install fuel and oil strainers or filter elements, includes element disassembly and cleaning, where applicable
- remove, check and install magnetic chip detectors
- remove and install doors on non-pressurised aircraft
- carry out small simple repairs to fairings, non-structural cover plates and cowlings
- carry out minor repairs to cabin trim and upholstery
- restore finish after repairs and minor touch-up of decorative coatings.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- work health and safety (WHS) procedures, including the use of personal protective equipment (PPE) and material safety data sheets (MSDSs) relating to maintenance tasks

- aircraft configuration and safety precautions associated with component removal and installation tasks listed in the Performance Evidence
- types of aircraft fabric coverings and the procedures for minor repairs classified as elementary maintenance
- aircraft composite materials and associated safety precautions
- aircraft window materials and construction
- methods of minor composite repairs classified as elementary maintenance
- methods for performing minor repairs to cabin trim and upholstery
- purpose of chip detectors and inspection requirements
- procedure for performing engine compression tests.

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 performing mechanical elementary maintenance. 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 relevant to performing mechanical elementary maintenance
 - tools and equipment specified in maintenance documentation.
 - general-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>