



Australian Government

Assessment Requirements for MEAMEC0070 Repair and overhaul aircraft mechanical system components

Release: 1

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Modification History

Release 1. Application changed. Performance Criteria changed. Foundation Skills made explicit. Assessment Requirements clarified. Supersedes and is equivalent to MEA391 Repair and/or overhaul aircraft mechanical system components.

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:

- repair and overhaul aircraft mechanical system components on at least one component from each of the following groups:
 - gear boxes and transmissions (excluding helicopter components)
 - screw jacks
 - mechanical actuators
 - control rods, bell cranks, walking beams and links.
- during the above work, or separately, demonstrate the following repair processes:
 - finishing or re-finishing of metal surfaces through processes
 - removal of corrosion within maintenance manual limits
 - replacement of seals and gaskets
 - replacement of bearings
 - application of surface treatments
 - restoration of paint finishes.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- how to obtain relevant material safety data sheets (MSDSs)
- the correct use of personal protective equipment (PPE) for repairing or overhauling aircraft mechanical system components
- aircraft mechanical system fault diagnosis and component part inspection techniques
- aircraft mechanical system and component operation
- repair and overhaul procedures and processes, including work health and safety (WHS), for aircraft mechanical system components.
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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 repairing and overhauling aircraft mechanical system components. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - tools and equipment specified in maintenance documentation
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to repairing and overhauling aircraft mechanical system components
 - 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>