



Australian Government

Assessment Requirements for MEAMEC0068 Repair and overhaul propellers

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 MEA389 Repair and/or overhaul propellers.

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/or overhaul at least one item from each of the following groups:
 - fixed pitch, constant speed, feathering and reversing propellers and spinners
 - anti-ice or de-ice equipment
 - propeller blades – metal
 - hardware
- during the above work, or separately, demonstrate the following repair processes:
 - finish or re-finish metal surfaces through processes within maintenance manual limits
 - remove corrosion within maintenance manual limits
 - replace gaskets, seals and backing rings
 - replace bearings
 - apply surface treatments
 - restore 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 use of applicable items of personal protective equipment (PPE) for propeller work
- fault diagnosis techniques for propellers
- propeller system and component operation
- propeller repair and overhaul procedures and processes, including work health and safety (WHS)
- types of surface treatments and their application.
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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 propellers. 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 repairing and overhauling propellers
 - 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>