



Australian Government

Assessment Requirements for MEAMEC0066 Repair and overhaul gas turbine engine ancillary section components

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 MEA386 Repair and/or overhaul gas turbine engine ancillary section 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 at least one item from each of the following groups:
 - accessory (or high-speed) gearbox
 - turboprop reduction gearbox (may be omitted if not applicable to the enterprise)
 - turboshaft drive shaft or reduction gearbox (may be omitted if not applicable to the enterprise).
- during the above work, or separately, demonstrate the following repair processes:
 - finish or re-finish metal surfaces through processes
 - replace seals and gaskets
 - 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 gas turbine engine work
- work health and safety (WHS) procedures for gas turbine engine work
- fault diagnosis techniques for gas turbine engine work
- ancillary section and component operation relating to gas turbine engines
- repair and overhaul procedures and processes, including inspection, rework, repair and reclamation, assembly and final adjustment
- correct use of fuels and lubricants.
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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 gas turbine engine ancillary section components. The following conditions must be met for this unit:

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