



Australian Government

Assessment Requirements for MEAMEC0065 Repair and overhaul gas turbine, engine turbine and exhaust section components

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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 MEA385 Repair and/or overhaul gas turbine engine turbine and exhaust 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 or overhaul at least one item from each of the following groups:
 - high- and low-pressure turbine assemblies
 - free turbine (may be omitted where not applicable to the enterprise)
 - automatic turbine rotor clearance control system (may be omitted where not applicable to the enterprise)
 - engine tail cone and exhaust struts
 - jet pipe that is part of the engine change unit or module
 - thrust reversers (may be omitted where not applicable to the enterprise)
 - afterburner system where it is part of the engine change unit or module (may be omitted where not applicable to the enterprise).
- during the above work, or separately, demonstrate the following repair processes:
 - finish or re-finish metal surfaces through processes
 - remove corrosion within maintenance manual limits
 - replace seals and gaskets
 - replace bearings.
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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)
- work health and safety (WHS) procedures
- fault diagnosis techniques
- turbine and exhaust section and component operation
- repair and overhaul procedures and processes, including inspection, rework, repair and reclamation, assembly, balancing of rotating assemblies and final adjustment

- correct use of fuel 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 turbine and exhaust section components. 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 aircraft gas turbine engine turbine and exhaust section components
 - turbine, components, 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>