



Australian Government

Assessment Requirements for MEAMEC0064 Repair and overhaul gas turbine engine combustion section components and modules

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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 MEA384 Repair and/or overhaul gas turbine engine combustion section components and/or modules.

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:
 - fuel manifold and nozzles
 - combustion chamber (multiple can, can-annular or annular).
- during the above work, or separately, demonstrate these repair processes:
 - finish or re-finish metal surfaces through processes
 - remove corrosion within maintenance manual limits
 - replace seals and gaskets.
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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 combustion section components or modules
- work health and safety (WHS) procedures for gas turbine engine combustion section components or modules
- fault diagnosis techniques for gas turbine engine combustion section components or modules
- gas turbine engine combustion section and component operation
- repair and overhaul procedures and processes, including inspection, rework, repair and reclamation, assembly, testing 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 or engine module combustion section components. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - combustion section components and modules
 - 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 or engine module combustion 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>