



Australian Government

Assessment Requirements for MEAMEC0076 Test aircraft piston engines after repair or overhaul

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 MEA397 Test aircraft piston engines after repair or overhaul.

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 test aircraft piston engines after repair or overhaul on at least two types of piston engines maintained by the enterprise.

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 piston engine testing
- work health and safety (WHS) procedures for piston engine testing
- piston engine fault diagnosis techniques
- piston engine system and component operation
- repair and overhaul procedures and processes
- test rig or test cell operation
- piston engine test requirements
- piston engine operating procedures, parameters and adjustment methods
- use of correct 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 testing aircraft piston engines after repair or overhaul. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - engine test rig or test cell

- workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to testing aircraft piston engines after repair or overhaul
- 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>